2.3.2 Source of Injury or Illness; Secondary Source of Injury or Illness—Titles and Descriptions

The Source of Injury or Illness code structure is arranged in nine divisions, 1 through 9. Division 9 contains codes for classifying sources that are not classified or listed under any of the other divisions. The Secondary Source of Injury or Illness uses the Source of Injury or Illness titles and descriptions.

The Source of Injury or Illness divisions are arranged as follows:

<table>
<thead>
<tr>
<th>DIVISION</th>
<th>TITLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Chemicals and Chemical Products</td>
</tr>
<tr>
<td>2</td>
<td>Containers, Furniture, and Fixtures</td>
</tr>
<tr>
<td>3</td>
<td>Machinery</td>
</tr>
<tr>
<td>4</td>
<td>Parts and Materials</td>
</tr>
<tr>
<td>5</td>
<td>Persons, Plants, Animals, and Minerals</td>
</tr>
<tr>
<td>6</td>
<td>Structures and Surfaces</td>
</tr>
<tr>
<td>7</td>
<td>Tools, Instruments, and Equipment</td>
</tr>
<tr>
<td>8</td>
<td>Vehicles</td>
</tr>
<tr>
<td>9</td>
<td>Other Sources</td>
</tr>
<tr>
<td>9999</td>
<td>Nonclassifiable</td>
</tr>
</tbody>
</table>

*-Asterisks denote a summary level code not assigned to individual cases.
CHEMICALS AND CHEMICAL PRODUCTS

This division includes chemicals and chemical products in various states—liquids, gases, fumes, vapors, and solids. In general, the specific chemical codes (major groups 11-17) should be used when the specific chemical or type of chemical is known. When only the type of product is known, the appropriate code for the product (major group 18) should be used. There is one exception to this rule. When the source of injury is a drug, alcohol, or medicine taken internally, use a code in section 184. Unspecified vapors or fumes—that are not the product of combustion should be coded Chemicals and chemical products, unspecified, code 10. Carbon monoxide resulting from the incomplete combustion of fuels or that is contained in motor vehicle exhaust gas, blast furnace gas, or kiln vapor is coded 1741, carbon monoxide. Tobacco smoke is coded 9242. Smoke from a burning fire is coded 9243, Smoke, fire gases, n.e.c. unless the specific chemical that injured the worker is known.

Includes:
- acids; alkalies; aromatics and hydrocarbon derivatives; halogens and their compounds; metallic dusts, powders and fumes; agricultural chemicals and pesticides; coal, natural gas, petroleum fuels and products; other chemicals and chemical products

Excludes:
- tars and sealants (46*); metallic minerals (54*); nonmetallic minerals, except fuel (55*); smoke and fire gases (924*); scrap, waste, debris unless specified as chemical (94*); nonchemical steam and vapors (95*); vermiculite (559)

10  Chemicals and chemical products, unspecified

Includes:
- unspecified vapors or fumes

11*  Acids and alkalies

This group includes acids and alkalies of various types.

110  Acids and alkalies, unspecified

111*  Acids

Includes:
- organic and inorganic acids

Excludes:
- benzoic and phenylacetic acids (as herbicides) (154); LSD (1842); hydrogen sulfide (1771)

1110  Acids, unspecified

1111  Acetic acid, vinegar

*Asterisks denote a summary level code not assigned to individual cases.
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
</table>
| 1112 | **Hydrogen chloride, hydrochloric acid**  
*Anhydrous hydrochloric acid*  
*Chlorohydric acid*  
*Hydrochloric acid gas* |
| 1113 | **Hydrogen fluoride, hydrofluoric acid**  
*Anhydrous hydrofluoric acid*  
*Fluorohydric acid gas*  
*Hydrofluoric acid gas* |
| 1114 | **Nitric acid**  
*Aqua fortis*  
*Red fuming nitric acid (RFNA)*  
*White fuming nitric acid (WFNA)* |
| 1115 | **Sulfuric acid**  
*Battery acid*  
*Drain and oven cleaners containing sulfuric acid* |
| 1118 | Multiple acids |
| 1119 | Acids, n.e.c.  
*Acetylsalicylic acid*  
*Acrylic acid*  
*Adipic acid*  
*Alkanesulfonic acid*  
*Anhydrous hydrobromic acid*  
*Anhydrous hydrogen bromide*  
*Aqueous hydrogen bromide*  
*Aqueous hydrogen chloride*  
*Aqueous hydrogen fluoride*  
*Aqueous hydrogen iodide*  
*Arsenic acid*  
*Arsenous acid*  
*Benzoic acid*  
*Bromic acid*  
*Bromoacetic acid*  
*Bromous acid*  
*Butyric acid*  
*Capric acid*  
*Caproic acid*  
*Caprylic acid*  
*Carbonic acid*  
*Carbonic acid*  
*Chloric acid*  
*Hyposulfurous acid*  
*Iodic acid*  
*Iodoacetic acid*  
*Isobutyric acid*  
*Isocyanic acid*  
*Isopentic acid*  
*Lauric acid*  
*Manganic acid*  
*Metaboric acid*  
*Metaphosphoric acid*  
*Methacrylic acid*  
*Methsilic acid*  
*Monofluorophosphoric acid*  
*Muriatic acid*  
*Nitrohydrochloric acid*  
*Nitrous acid*  
*Nitroanthetic acid*  
*Nitroylic acid*  
*Oleic acid*  
*Orthoboric acid*  
*Orthoperiodic acid*  
*Orthosilicic acid* |

*- Asterisks denote a summary level code not assigned to individual cases.*
<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Chemical Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chloroacetic acid</td>
<td>Orthotelluric acid</td>
</tr>
<tr>
<td>Chlorobutyric</td>
<td>Oxalic acid</td>
</tr>
<tr>
<td>Chloroisocyanuric acid</td>
<td>Palmitic acid</td>
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<tr>
<td>Chloropropionic acid</td>
<td>Peracetic acid</td>
</tr>
<tr>
<td>Chlorosulfonic acid</td>
<td>Perchloric acid</td>
</tr>
<tr>
<td>Chlorous acid</td>
<td>Perchromic acid</td>
</tr>
<tr>
<td>Chromic acid</td>
<td>Performic acid</td>
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<tr>
<td>Cyanic acid</td>
<td>Periodic acid</td>
</tr>
<tr>
<td>Cyanacetic</td>
<td>Permanganic acid</td>
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<tr>
<td>Dichloroacetic acid</td>
<td>Perrhenic acid</td>
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<tr>
<td>Dichloropropionic acid</td>
<td>Persulfuric acid</td>
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<tr>
<td>Dichromic acid</td>
<td>Pertechnic acid</td>
</tr>
<tr>
<td>Difluorophosphoric acid</td>
<td>Phenol trinitrate</td>
</tr>
<tr>
<td>Diposphoric acid</td>
<td>Phenylacetic acid</td>
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<tr>
<td>Diposphorous acid</td>
<td>Phenylstearic acid</td>
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<tr>
<td>Disulfuric acid</td>
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<tr>
<td>Disulfurous acid</td>
<td>Phosphorous acid</td>
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<tr>
<td>Dithionic acid</td>
<td>Phthalic acid</td>
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<tr>
<td>Dithionous acid</td>
<td>Picric acid</td>
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<tr>
<td>Etching acid, liquid, n.o.s.</td>
<td>Picronitric acid</td>
</tr>
<tr>
<td>Fluoboric acid</td>
<td>Polyacrylic acid</td>
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<tr>
<td>Fluoroacetic acid</td>
<td>Polymethacrylic acid</td>
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<tr>
<td>Fluoroboric acid</td>
<td>Propionic acid</td>
</tr>
<tr>
<td>Fluorosulfonic acid</td>
<td>Rhenic acid</td>
</tr>
<tr>
<td>Formic acid</td>
<td>Salicylic acid</td>
</tr>
<tr>
<td>Hexafluorophosphoric acid</td>
<td>Sebacic acid</td>
</tr>
<tr>
<td>Hexanoic acid</td>
<td>Selenic acid</td>
</tr>
<tr>
<td>Hydriodic acid gas</td>
<td>Stearic acid</td>
</tr>
<tr>
<td>Hydrobromic acid</td>
<td>Sulfoxylic acid</td>
</tr>
<tr>
<td>Hydrocyanic acid</td>
<td>Thioglycolic acid</td>
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<tr>
<td>Hydrofluorosilicic acid</td>
<td>Trichloracetic acid</td>
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<tr>
<td>Hydrogen bromide</td>
<td>Trinitrophenol</td>
</tr>
<tr>
<td>Hydrogen iodide</td>
<td>Valeric acid</td>
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<tr>
<td>Hypobromous acid</td>
<td>Triphosphoric acid</td>
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<td>Hypochlorous acid</td>
<td>Triphosphorous acid</td>
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<tr>
<td>Hypoiodous acid</td>
<td>Valeric acid</td>
</tr>
<tr>
<td>Hyponitrous acid</td>
<td>Valeric acid</td>
</tr>
<tr>
<td>Hypophosphorous acid</td>
<td>Valeric acid</td>
</tr>
</tbody>
</table>

**112* Alkalies**

This major group includes chemicals commonly known as alkalies, bases, or caustics. Caustic, unspecified should be coded as 1120. Dry cement mix is coded as 1121 and wet cement mix as 1122. Calcium hydroxide and calcium oxide are included under 1123, Lime. Lye and products, such as

* Asterisks denote a summary level code not assigned to individual cases.
as drain and oven cleaners containing lye, are included under 1125, sodium and potassium hydroxide, potassium carbonate. Chlorinated lime is included under chlorine and chlorine compounds, n.e.c., code 1319.

1120 Alkalies, unspecified
1121 Cement, mortar mix—dry
1122 Cement, mortar mix—wet

1123 Lime

- Burnt lime
- Calcium hydroxide
- Calcium oxide
- Calx
- Fluxing lime
- Pebble lime
- Quick lime
- Slaked lime
- Unslaked lime

1124 Limestone, calcium carbonate

1125 Sodium and potassium hydroxide, potassium carbonate

- Carbonate of potash
- Caustic potash
- Caustic soda
- Drain cleaner containing lye
- Lye
- Oven cleaner containing lye
- Pearl ash
- Potassium carbonate
- Potassium hydroxide
- Sodium hydroxide

1128 Multiple alkalies

1129 Alkalies, n.e.c.

- Baking soda
- Soda ash
- Sodium bicarbonate
- Sodium carbonate

12* Aromatics and hydrocarbon derivatives, except halogenated

This major group includes alcohols, aldehydes, amines, aromatics, ethers, ketones, peroxides, and nitro hydrocarbons, except for those containing the halogens—chlorine, fluorine, bromine, iodine, or astatine. Halogenated compounds are included under major group 13.

Includes: alcohols, antifreeze, aldehydes, amines—nonaromatic, aromatics, ethers, ketones

Excludes: halogens and halogen compounds (13*)

120 Aromatics and hydrocarbon derivatives, except halogenated, unspecified

121* Alcohols

*-Asterisks denote a summary level code not assigned to individual cases.
This category includes various types of alcohols. Antifreeze and radiator coolant are included in this category as a separate subcategory (1211). Source group 121 should be used to code alcohol as the source of injury incurred during the manufacture of alcoholic beverages. Alcoholic beverages, code 1841, should be selected when alcohol is used as a beverage.

1210  Alcohols, unspecified

1211  Antifreeze

   Radiator coolant  Radiator fluid

1212  Ethanol

   Cologne spirit  Grain alcohol
   Ethyl alcohol  Methylated spirit
   Ethyl hydrate  Spirit of wine
   Ethyl hydroxide

1213  Ethylene glycol

   1,2-Ethanediol  Glycol alcohol
   Glycol  EG

1214  Methanol

   Carbinol  Wood alcohol
   Methyl alcohol  Wood spirits

1219  Alcohols, n.e.c.

   Allyl alcohol  n-propyl alcohol
   Amyl alcohol  Pentyl alcohols
   Butyl alcohol  Propanol
   Dimethyl carbinol  Propenyl alcohol
   Fusel oil  Propyl alcohol
   Glycerol  Propylene glycol
   Isopropanol  Rubbing alcohol
   Isopropyl alcohol  Secondary propyl alcohol
   n-butyl alcohol  Vinyl carbinol

122*  Aldehydes

1220  Aldehydes, unspecified

1221  Formaldehyde

   Formic aldehyde  Oxomethane
   Methyl aldehyde  Oxymethylene
   Methylene oxide

*-Asterisks denote a summary level code not assigned to individual cases.
1222 Glutaraldehyde

1229 Aldehydes, n.e.c.
   2-Furaldehyde
   Acetaldehyde
   Acetic aldehyde
   Acraldehyde
   Acrolein
   Acrylic aldehyde
   Allyl aldehyde
   Butyraldehyde
   Ethyl aldehyde
   Formalin
   Furfural
   Furfuraldehyde
   Furol
   Propenal
   Propionaldehyde
   Pyromucic aldehyde

123* Aromatics

This group contains the cyclical hydrocarbons based on the benzene ring. They are also known as the aromatics. Aromatic amines are included in this group. The nonaromatic amines are coded under 1299.

1230 Aromatics, unspecified

1231 Benzene
   Benxole
   Benzol
   Coal naphtha
   Cyclohextriene
   Phene
   Phenyl hydride

1232 Hydroquinone
   Benzene-1,4-diol
   Quinol

1233 Toluene
   Methylbenzene
   Methylbenzol
   Phenylmethane
   Toluol

1234 Xylene
   Dimethylbenzene
   Xylol

1235 Phenol
   Carbolic acid
   Hydroxybenzene

1236 Styrene
   Ethenyl benzene
   Styrol
   Phenylethylene
   Vinyl benzene

1239 Aromatics, n.e.c.
   2-Acetylanilinofluorene
   2-Chloroaniline
   3,3’-Dichlorobenzidine
   Aminodiphenyl
   Aniline
   Benzidine
124* Ketones

This group includes acetone, diacetyl, methyl ethyl ketone, and methyl n-butyl ketone as well as other ketones

1240 Ketones, unspecified

1241 Acetone
   2-Propanone
   Propanone
   Dimethyl ketone
   Pyroacetic ether

1242 Diacetyl
   Butanedione
   2,3-butanedione
   Biacetyl
   Dimethyl diketone

1243 Methyl ethyl ketone
   Butanone
   Ethyl methyl ketone
   MEK

1244 Methyl n-butyl ketone

1249 Ketones, n.e.c.
   Methyl isobutyl ketone
   Methyl n-propyl ketone

128 Multiple aromatics and hydrocarbon derivatives, except halogenated

129* Other aromatics and hydrocarbon derivatives, except halogenated

1291 Acrylamide
1292 Acrylonitrile
1293 Dimethylformamide

1294 Dioxane
   1, 4-Dioxane

1295 Ethylene oxide
   Anprolene
   1,2-Epoxyethane
   Dimethylene oxide
   Oxirane

1296 Nitro hydrocarbons, except aromatic
   2-Nitropropane
   4-Nitro biphenyl
   Dinitrophenol (DNP)
   Dinitrotoluene (DNT)

*Asterisks denote a summary level code not assigned to individual cases.
Acridine    Hydrazine
Aliphatic and organic nitrogen compounds    Nitrobenzene
Dinitrobenzene    Nitroethane
Dinitro-o-cresol

1299 Aromatics and hydrocarbon derivatives, except halogenated, n.e.c.
2-hexanone    Ethyl ether
Amines—nonaromatic    Ethyl oxide
Anesthetic ether    Isopropyl amine
Butyl amine    Lithium peroxide
Diacetone    MBK
Diacetone alcohol    Mesityl oxide
Diethyl ether    Methyl amine
Diethyl oxide    Methyl ether
Dimethyl ether    Methyl ethyl ether
Ether    Propyl acetone
Ethoxyethane    Propyl amine
Ethyl amine    Vinyl ether

13* Halogens and halogen compounds

This major group contains the halogens—bromine, chlorine, fluorine, iodine, and astatine—and their compounds. Halogenated hydrocarbons, such as carbon tetrachloride, and the fluorocarbons are included in this group. Compounds containing both fluorine and chlorine should be coded under Fluorine and fluorine compounds, 132.

Vinyl chloride and polyvinyl chloride are included under plastics, resins, code 1759. Chlorinated hydrocarbons used as insecticides should be classified under 155. Acids containing the halogens are included under source group 111, Acids.

This group includes table salt and calcium, sodium, and potassium chlorides (1319) when these chemicals are specified. Unspecified salt, rock salt, ice-melting salt, and road salt are classified in Chemical products, n.e.c., code 1899, when the specific chemical is not identified.

Includes: bromine and bromine compounds, chlorine and chlorine compounds, fluorine and fluorine compounds, iodine and iodine compounds

Excludes: acids containing halogens (111*); insecticides (155); nonchlorine bleaches (1831); vinyl chloride, polyvinyl chloride (1759); lead salts (144)

*Asterisks denote a summary level code not assigned to individual cases.
### 130  Halogens and halogen compounds, unspecified

### 131* Chlorine and chlorine compounds

| 1310 | Chlorine compounds, unspecified |
| 1311 | Chlorine, chlorine bleach |

#### 1312 Dichloromethane

*Methylene chloride*

#### 1313 Perchloroethylene

*Tetrachlorethylene*

#### 1314 Phosgene

#### 1315 Trichloroethylene

#### 1319 Chlorine compounds, n.e.c.

| Biphenyls | PCBs |
| Calcium chloride | Pentachlorophenol |
| Carbon chloride | Polychlorinated biphenyls (PCBs) |
| Carbon tetrachloride | |
| Chlorinated lime | Polychlorinates |
| Chloroethane | Potassium chloride |
| Chloroform | Sodium chloride |
| Chloromethane | Table salt |
| Ethyl chloride | Tetrachloromethane |
| Methyl chloride | White potash |
| Muriate of potash | |

### 132* Fluorine and fluorine compounds

| 1320 | Fluorine compounds, unspecified |
| 1321 | Fluorine |

#### 1322 Fluorotrichloromethane

*Freon*  
*Monofluorotrichloromethane*  
*Refrigerant 11*  
*Trichlorofluoromethane*  
*Trichlormonofluoromethane* |

#### 1329 Fluorine compounds, n.e.c.

| Methyl fluoride | Other fluorocarbons |

### 139 Halogens and halogen compounds, n.e.c.

| Astatine and compounds | Iodine and iodine compounds |
| Bromine and compounds | Methyl bromide |
| Ethylene dibromide | Potassium bromide |

*-Asterisks denote a summary level code not assigned to individual cases.*
14* Metallic particulates, trace elements, dusts, powders, fumes

This group includes metallic fumes, particulates, and liquid solutions other than molten metals. Welding fumes as well as fumes from other heating or smelting processes are included. When the injury is due to solid metal ores or due to the radiation properties of a metal, use Metallic minerals, major group 54*.

Finished metal products should be coded under the appropriate functional category.

Includes: arsenic and compounds; beryllium and compounds; cadmium and compounds; lead and compounds; mercury and compounds; aluminum and compounds; antimony and compounds; chromium and compounds including hexavalent chromium; iron and compounds; magnesium and compounds; manganese and compounds; nickel and compounds; zinc and compounds; welding or soldering fumes, unspecified or n.e.c.; metallic dusts

Excludes: finished metal products; molten or solid metals (45*); radiating metals (542*); coal dust (161); grain dust (5891); other nonmetallic dusts (55*, 941*)

140 Metallic particulates, trace elements, dusts, powders, fumes, unspecified
141 Arsenic and compounds
142 Beryllium and compounds
143 Cadmium and compounds
144 Lead and compounds

This code includes both organic and inorganic lead compounds. Lead chromate is coded in Chromium an chromium compounds.

  Alkyl lead  Lead acetate  Lead arsenate  Lead dioxide  Lead oxide  Lead salts  Lead soaps  Tetraethyl lead  Tetramethyl lead

145 Mercury and compounds
146* Other metallics and compounds
  1460 Other metallics and compounds, unspecified
  1461 Aluminum and compounds
  1462 Antimony and compounds

*Asterisks denote a summary level code not assigned to individual cases.
### 1463 Chromium and compounds
- Calcium chromate
- Lead chromate
- Chromium trioxide
- Strontium chromate
- Hexavalent chromium
- Zinc chromate

### 1464 Manganese and compounds

### 1465 Cobalt and compounds

### 1469 Metallics and compounds, n.e.c.
- Copper sulfate compounds
- Nickel and compounds
- Iron and compounds
- Zinc and compounds
- Magnesium and compounds

### 147 Welding or soldering fumes, unspecified or n.e.c.
This code includes fumes and vapors from the welding, brazing, soldering, and cutting of galvanized steel as well as other metals, with the exception of lead. Fumes containing lead compounds should be coded under Lead and lead compounds, code 144. Fumes given off by other heat processes including smelting should be coded under the appropriate metal compound, if known. If unknown, the unspecified category 140 should be used.

### 148 Multiple metallics and metallic compounds

### 149 Metallic particulates, trace elements, dusts, powders, fumes, n.e.c.

### 15* Pesticides and other agricultural chemicals
This category includes such substances as insecticides, pesticides, herbicides, fumigants, rodenticides, and fungicides. These substances should be coded in this category whether used in the agricultural and horticultural industries, by commercial exterminating and pest control companies, or by companies in other industries. Mixtures of plant foods and fertilizers with herbicides are coded under 154, herbicides. Only fertilizers not elsewhere classifiable should be included in code 151. An unspecified pesticide should be coded 150. Calcium hydroxide, calcium oxide, and lime should be classified under code 1123. Ammonium compounds should be classified under code 171*.

*Includes:* fertilizers and plant food, n.e.c.; fumigants, n.e.c.; fungicides; herbicides; insecticides; rodenticides

*Excludes:* ammonium compounds (171*); calcium hydroxide, calcium oxide, lime (1123); muriate of potash, white potash (1319); phosphine (1794)

### 150 Pesticides and other agricultural chemicals, unspecified

* Asterisks denote a summary level code not assigned to individual cases.
151  **Fertilizers, plant food, n.e.c.**

This code includes fertilizers and plant foods not elsewhere classifiable. Mixtures of fertilizers and plant foods with herbicides are included under 154, Herbicides.

*Superphosphates*

152  **Fumigants, n.e.c.**

Included in this category are substances in the form of "smoke" or fumes used as an exterminating agent and that are not classifiable elsewhere. Fumigants used as disinfecting agents are classified under code 1832, if the specific chemical is unknown.

153  **Fungicides**

Included in this category are the various substances used to destroy or control the growth of fungi within an agricultural or horticultural setting. Fungicides used in other commercial or industrial settings should be coded under Cleaning and polishing agents, code 183*.

- **Dithiocarbamates**
- **Organic mercurials (used in seed dressing)**
  - Ferban
  - Maneb
  - Nabam
  - Zineb
  - Ziram

154  **Herbicides**

Chemicals in this code are used to control plant growth of various types. This category includes weed killers as well as mixtures of plant foods and fertilizers with herbicides.

- **2,3,6-TBA**
- **Dinitro-orthoepersol (DNOC)**
- **2,4-D**
- **Dinoseb (DNBP)**
- **2, 4-DEP**
- **Diquat**
- **2,4,5-T**
- **Diuron**
- **Agent orange**
- **Erbon**
- **Atrazine**
- **Fenuron**
- **Benzoic acids**
- **MCPA**
- **Bipyridyls**
- **MCPB**
- **Carbamate herbicides**
- **Monuron**
- **Chlorates**
- **Paraquat**
- **Chlorfenec**
- **Phenylacetic acids**
- **Crag herbicide**
- **Silvex**
- **Delapon**
- **Simazine**

*-Asterisks denote a summary level code not assigned to individual cases.*
Dicamba  
Thiocarbamate herbicides  
Dinitro compounds  
Triazines  
Dinosam (DNAP)  
Vapam  
2, 4, 5-Trichlorophenoxyacetic acid (2, 4, 5-T)  
-(2,4,5-trichlorophenoxy) propionic acid  
4-chloro-2-methylphenoxyacetic acid  
2-chloro-4, 6-bis(ethylamino)-S-triazine  
Mixtures of plant foods and fertilizers with herbicides

155 **Insecticides**

This code includes various chemicals used to control insects and includes organochlorine compounds or chlorinated hydrocarbons; organophosphorus compounds; carbamates; and other compounds.

*Kerosene insecticides*

*Pyrethrum*

*Rotenone*

156 **Rodenticides**

Included in this category are various substances used to destroy or control mice, rats, squirrels, and other rodents.

*Coumarins*

*Squill and derivatives*

*Diphacin*

*Strychnine*

*Fluoroacetates*

*Thallium sulfate*

*Indandiones*

*Valone*

*Pival (Pivalyn)*

*Warfarin*

*Sodium fluoroacetate*

*Zinc phosphide*

158 **Multiple agricultural chemicals**

This category includes combinations of agricultural and horticultural chemicals or pesticides, when these chemicals are classifiable under two or more different 3-digit categories. Excluded from this category are mixtures of fertilizers or plant foods and herbicides (154).

159 **Pesticides and other agricultural chemicals, n.e.c.**

This category includes other agricultural chemicals and pesticides not classifiable elsewhere.

16** **Coal, natural gas, petroleum fuels and products**

This category includes coal, natural gas, petroleum, and petroleum fuels and

* Asterisks denote a summary level code not assigned to individual cases.
distillates. Excluded from this category are petroleum solvents (187*), and pesticides and other agricultural chemicals (major group 15).

**Includes:** coal, coal dust, coke, crude oil, gasoline, natural gas, petroleum, petroleum distillates and fuels, lubricating greases and oils, paving asphalt, asphaltic cement

**Excludes:** pesticides and other agricultural chemicals (15*); paints (186*); petroleum solvents (187*); roofing asphalt, roofing tar (461)

160  Coal, natural gas, petroleum fuels and products, unspecified

161  Coal, coal dust

162  Natural gas

163  Petroleum, crude oil

164*  Petroleum fuels, distillates, and products, n.e.c.

1640  Petroleum fuels, distillates, and products, unspecified

1641  Gasoline, diesel fuel, jet fuel

   *Kerosene used as jet fuel*

1642  Lubricating greases, cutting oils

   *Metalworking fluids*

1643  Propane

1644  Paving asphalt, asphaltic cement

   **Excludes:** roofing asphalt and roofing tar (461)

1649  Petroleum fuels, distillates, and products, n.e.c.

   *Coke—petroleum  Heating oil

   *Kerosene (except jet fuels)*

169  Coal, natural gas, petroleum fuels and products, n.e.c.

   *Butane  Coke—coal*

17*  Other chemicals

This category includes ammonia and its compounds, cryogenic gases, certain cyanide compounds, oxygen and certain oxides, plastics and resins, sewer and mine gas, methane, sulfur and sulfur compounds, and other chemical and chemical products not elsewhere classifiable.

**Includes:** ammonia and ammonium compounds; carbon dioxide, carbon
monoxide; cryogenic gases; cyanide and cyanide compounds, n.e.c.; dry ice; methane, mine gas; oxygen and oxygen compounds, n.e.c.; plastics, resins; sewer gas; sulfur, sulfur compounds, sulfur dioxide

170 Other chemicals, unspecified

171* Ammonia and ammonium compounds

This group includes ammonia in various forms as well as ammonium compounds. This group includes ammonium compounds used as fertilizers, cleansers, explosives, etc.

1710 Ammonia and ammonium compounds, unspecified
1711 Ammonia, anhydrous ammonia
1712 Ammonium sulfate
1718 Multiple ammonia and ammonium compounds

1719 Ammonia and ammonium compounds, n.e.c.

Ammonium hydroxide
Ammonium nitrate

172 Cryogenic gases

This group includes liquefied gases at very low temperatures.

Includes: liquid helium, hydrogen, nitrogen, oxygen; liquefied argon, krypton, neon

173* Cyanide and cyanide compounds

This group includes cyanide and its compounds, not elsewhere classifiable. Cyanates and isocyanates that are used in the manufacture of plastics are coded under Plastics, resins—code 175*.

1730 Cyanide and cyanide compounds, unspecified
1731 Hydrogen cyanide
1739 Cyanide and cyanide compounds, n.e.c.

174* Oxygen and oxygen compounds

This group includes carbon monoxide, carbon dioxide, dry ice, various nitrogen oxides, nonliquefied oxygen, and ozone. Carbon monoxide resulting from the incomplete combustion of fuels and that contained in motor vehicle exhaust gas, blast furnace gas, or kiln vapor is included in 1741. Smoke and fire gases are included in codes 924*. Liquefied oxygen is coded under 172, Cryogenic gases. Sulfur dioxide is coded

*-Asterisks denote a summary level code not assigned to individual cases.
Nitrogen is coded 1791. Ethylene oxide is coded 1295.

**1740 Oxygen and oxygen compounds, unspecified**

**1741 Carbon monoxide**

- Blast furnace gas
- Kiln vapor
- Motor vehicle exhaust gas
- Results of incomplete combustion of fuels

**1742 Carbon dioxide, dry ice**

**1743 Nitrogen oxides**

- Dinitrogen pentoxide
- Dinitrogen tetroxide
- Laughing gas
- Nitric oxide

**1744 Osmium tetroxide**

**1748 Multiple oxygen and oxygen compounds**

**1749 Oxygen and oxygen compounds, n.e.c.**

- Benzoyl peroxide
- Hydrogen peroxide
- Non-liquid oxygen
- Oxygen gas, except liquefied

**1750 Plastics, resins, unspecified**

This group includes various substances and intermediate products used in the manufacture of plastics and resins, including cyanates, resins, urethanes, vinyl chloride, and various elasticizers, monomers, and polymers.

**1751 Cyanates, urethanes**

- Di-isocyanates
- Isocyanates
- Toluene diisocyanates (TDI)
- Methylenebis (phenyl isocyanate) MDI
- Polymeric MDI (PAPI)

**1752 Resins**

*Asterisks denote a summary level code not assigned to individual cases.*
1759  **Plastics, resins, n.e.c.**

<table>
<thead>
<tr>
<th>Acrylic resin</th>
<th>Resin</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epoxy resin</td>
<td>Silicone resin</td>
</tr>
<tr>
<td>Bakelite</td>
<td>Polymer</td>
</tr>
<tr>
<td>Elastomers</td>
<td>Polypropylene</td>
</tr>
<tr>
<td>Ethyl silicate</td>
<td>Polystyrene</td>
</tr>
<tr>
<td>Ethylene diamine</td>
<td>Polyvinyl acetate</td>
</tr>
<tr>
<td>Monomer</td>
<td>Polyvinyl chloride</td>
</tr>
<tr>
<td></td>
<td>Vinyl chloride</td>
</tr>
</tbody>
</table>

176*  **Sewer, mine, and similar gases**

This group includes sewer and mine gas and fumes that are not classifiable elsewhere. Hydrogen sulfide is classified in 1771.

1760  **Sewer, mine, and similar gases, unspecified**

1761  **Methane gas**

1762  **Mine gas**

1763  **Sewer gas**

1764  **Manure gas**

1769  **Sewer, mine, and similar gases, n.e.c.**

177*  **Sulfur and sulfur compounds**

This group includes carbon bisulfide, hydrogen sulfide, sulfur dioxide, and other sulfur compounds.

*Excludes:* sulfuric acid (1115)

1770  **Sulfur and sulfur compounds, unspecified**

1771  **Hydrogen sulfide**

1772  **Carbon bisulfide**

*Carbon disulfide*

1773  **Sulfur dioxide**

1778  **Multiple sulfur and sulfur compounds**

1779  **Sulfur and sulfur compounds, n.e.c**

178    **Multiple chemicals or chemical mixtures, n.e.c.**

This category is to be used for toxic, noxious, and otherwise injurious fumes, vapors, or chemical exposures resulting from the mixing or combining of chemicals or chemical products from different major groups. This code may also be applicable as the secondary source for explosions.

*-Asterisks denote a summary level code not assigned to individual cases.
resulting from the mixture of two or more chemicals falling in different two-digit categories.

This category also includes cases where two or more chemicals or chemical products falling in different two-digit categories are named as the source or secondary source or when the nonspecific "Multiple chemicals" is the source or secondary source.

179* Other chemicals, n.e.c.

1791 Nitrogen
1792 Helium
1793 Hydrogen
1794 Phosphine, phosphane

1799 Chemicals, n.e.c.

Acetylene    Metal plating solutions, unspecified
Esters       Potting compound hardener
Flux

18* Chemical products—general

This category includes chemical products of various types. This category should be used only when the specific chemical is unknown or is not classifiable elsewhere.

Includes: adhesives, alcoholic beverages, beauty products, cleaning agents, cosmetics, drugs, explosives, glues, medicines, paints, lacquers, varnishes, solvents, degreasers

Excludes: pesticides (15*); specified chemicals

180 Chemical products, unspecified

Fire extinguisher chemicals, unspecified

181 Adhesives, glues, n.e.c.

This group includes adhesives, glues, and pastes that are not elsewhere classified.

182 Beauty preparations, cosmetics

This code includes beauty preparations and other cosmetics. Soaps, shampoos, and dyes used as hair preparations or cosmetics are classified in this category. Other shampoos, detergents, and soaps used for commercial or industrial purposes are coded to source group 183, Cleaning and polishing agents, n.e.c.

*-Asterisks denote a summary level code not assigned to individual cases.
**Source**

<table>
<thead>
<tr>
<th>183* Cleaning and polishing agents, disinfectants</th>
</tr>
</thead>
<tbody>
<tr>
<td>This group includes detergents, bleaches, soaps, polishes, disinfectants, and drain and oven cleaners that are not classifiable to specific chemical categories.</td>
</tr>
<tr>
<td>Soaps and shampoos used as hair preparations or as cosmetics are classified under code 182, Beauty preparations and cosmetics. Chlorine bleach and other chlorine-based cleansers are coded under Chlorine and chlorine compounds, code 131*. Ammonia and ammonia compounds are included under 171*. Solvents are coded under 187*. Drain and oven cleaners containing lye are coded under 1125, Sodium and potassium hydroxides; those containing sulfuric acid are coded under 1115. Cleaners containing phosphoric acid are coded under 1119.</td>
</tr>
</tbody>
</table>

| 1830 Cleaning and polishing agents, unspecified |
| 1831 Bleach—nonchlorine, nonperoxide |

| 1832 Disinfectants |
| Fumigants used as disinfecting agents |

| 1833 Drain and oven cleaners |
| 1834 Soap products |
| 1835 Synthetic detergents and shampoos |
| 1838 Multiple cleaning and polishing agents |

| 1839 Cleaning and polishing agents, n.e.c. |
| Floor strippers |
| Scouring powders |
| Other cleaners |
| Toilet cleaners |
| Polishes |
| Metal cleaning compounds |

**184* Drugs, alcohol, and medicines**

This category includes prescription drugs, nonprescription or over the counter drugs, as well as alcoholic beverages and drugs used for nonmedicinal purposes. Alcohols in preparations not intended for consumption are coded under 121*. Alcoholic beverages and nonmedicinal drugs should not be coded for secondary source. Nonmedicinal drugs (1842) include heroin, methamphetamines, marijuana, and other recreational drugs. Drugs that are normally used for

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*Asterisks denote a summary level code not assigned to individual cases.*
medicinal purposes, such as over the counter drugs and prescription drugs, but used recreationally are coded in 1843 Medicines, except vaccines. Vaccines are coded in 1844. Combinations of drugs or alcohol from two or more 4-digit categories are coded in 1848 Multiple drugs, alcohol, and medicines.

1840 Drugs, alcohol, and medicines, unspecified
1841 Alcoholic beverages
1842 Drugs—nonmedicinal
1843 Medicines, except vaccines
   Anesthetics
   Over the counter drugs
   Prescription drugs
1844 Vaccines
1848 Multiple drugs, alcohol, and medicines
1849 Drugs, alcohol, and medicines, n.e.c.

185* Explosives, blasting agents

This category includes explosives, materials used as detonators, gunpowder, and fireworks. Excluded from this category are substances classifiable to specific chemical or mineral categories. Ammonium nitrate is coded 1719. Ammunition is included in major group 782.

Excludes: explosive devices (7813)

1850 Explosives, blasting agents, unspecified
1851 Dynamite
1852 Flammable gas, unspecified
1853 Gunpowder
1854 Pyrotechnics, fireworks

1859 Explosives, blasting agents, n.e.c.
   Blasting cap
   Detonator

186* Paint, lacquer, shellac, varnish

This category includes various types of paints and other finishes such as varnishes, shellacs, and lacquers. Epoxy is coded under 1752, Resins. Urethane and polyurethane are code 1751.

1860 Paint, lacquer, shellac, varnish, unspecified
1861 Lacquer, shellac, varnish
1862 Paint

*-Asterisks denote a summary level code not assigned to individual cases.
1868  Multiple paint, lacquer, shellac, or varnishes
1869  Paint, lacquer, shellac, varnish, n.e.c.

187*  Solvents, degreasers

This category includes solvents and degreasers, not elsewhere classifiable. Carbon tetrachloride, perchloroethylene, and trichloroethylene are coded under Chlorine and chlorine compounds, source group 131.

1870  Solvents, degreasers, unspecified

1871  Naphtha solvents

Benzine
Cleaners' naphtha
Dry cleaning fluid
Mineral spirits
Petroleum ether

1872  Paint removers, thinners
1873  2-Butoxyethanol
1878  Multiple solvents, degreasers
1879  Solvents, degreasers, n.e.c.

189*  Other chemical products—general

This category includes other general chemical products, not elsewhere classifiable.

Includes:  dyes, inks, photographic and copying solutions, rock salt and road salt when the specific chemical is unknown

1891  Dyes, inks

Excludes:  food dyes (1893), hair dyes (182)

1892  Photographic and copying solutions

Clearing agents
Copying machine fluids
Developers
Film developing solutions
Fixers

Mimeograph fluid
Photographic chemicals
Stop baths
Surfactants
Toners

1893  Food colorings and flavorings

Food dyes

1899  Chemical products, n.e.c.

*-Asterisks denote a summary level code not assigned to individual cases.
**Includes:** ice-melting salt, rock salt, road salt, salt, unspecified

**Excludes:** table salt (1319)

19 Chemicals and chemical products, n.e.c.

*-Asterisks denote a summary level code not assigned to individual cases.*
CONTAINERS, FURNITURE AND FIXTURES

This division classifies receptacles that are commonly used to hold, store, or carry materials. All containers may be empty or full. Injuries resulting from contact with the spilt contents of the container should be coded according to the contents that inflicted the injury. Pressurized and nonpressurized containers are fix-shaped receptacles used to hold, store, or carry materials. Variable restraint containers include bundles, packages, and rolls where the material being contained is often the surface of the container. This division also classifies furniture; lighting and plumbing fixtures; and floor, wall, and window coverings. The furniture and fixtures classified here may be of any composition, and may be designed for use in households, businesses, or public buildings.

Includes: pressurized containers; nonpressurized containers; variable restraint containers; dishes, cups, glasses; luggage; skids and pallets; septic tanks, cases, cabinets, racks, shelves; floor, wall, and window coverings; furniture; other fixtures

Excludes: coffee makers (3321); sleeping bags (7634); storm drains (6122); pipes, ducts, tubing (412*); heating, cooling, and cleaning machinery and appliances (33*); audio and video equipment (391*); car seats (489); plumbing systems (642); structures (63*); pianos (7931); container covers, caps, lids (491); clocks (791)

20 Containers, furniture, and fixtures, unspecified

21* Containers

210 Containers, unspecified

211* Containers—nonpressurized

This group classifies containers which are fix-shaped receptacles used to hold, store, or carry materials.

Includes: bags, sacks; barrels, drums; bottles, jugs, flasks; boxes, crates, cartons; buckets, baskets, pails; cans; pots, pans, trays; tanks, bins, and vats; air cargo and shipping containers

Excludes: pressurized containers (212*); beer kegs (2126); variable restraint containers (213*); dishes, drinking cups, and beverage glasses (214*); luggage (215*); handbags (2152); skids and pallets (216); groceries (5228); laundry (914);

*Asterisks denote a summary level code not assigned to individual cases.

01/12  135
laundry carts (871); toy boxes (2212); lobster and crab pots (795*)

2110 Containers—nonpressurized, unspecified

2111 Bags, sacks

Includes: trash bags, grocery bags, laundry bags, biohazard bags

Excludes: mail bags—shoulder (2156); handbags (2152); shoulder bags, except mail (2152)

2112 Barrels, drums—except pressurized

Barrels—coopered wooden
Breaker
Casks
Drums—fiber
Firkins
Kegs—coopered wooden
Kilderkins
Milk shipping containers
Oil drums
Shipping drums
Wine barrels

2113 Bottles, jugs, flasks

Paper bottles
Decanters
Hot-water bottles
Jars
Medicine bottles
Vases
Milk bottles, jugs
Packing bottles
Packing jugs
Vials
Water bottles
Thermoses

2114 Boxes, crates, cartons

Ammunition boxes
Boxes—cardboard
Boxes—corrugated
Boxes—fiberboard
Boxes—filing
Boxes—gaylord
Boxes—newsboard
Boxes—setup
Boxes—wooden
Cases—plastic utility
Cases of paper
Portable coolers
Toy boxes
Chicken coops (crates)
Coffins
Egg cartons
Food boxes
Mailing cases
Mailing crates
Milk, juice, ice cream cartons
Shipping crates
Shipping hampers
Tubes—cardboard
Cases of food or beverages
Tool boxes

2115 Buckets, baskets, pails

Baskets—wicker

Flower and fruit baskets

*Asterisks denote a summary level code not assigned to individual cases.
<table>
<thead>
<tr>
<th>Baskets—wire</th>
<th>Gabion baskets</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baskets—wooden</td>
<td>Laundry baskets</td>
</tr>
<tr>
<td>Buckets—coopered wooden</td>
<td>Milk pails</td>
</tr>
<tr>
<td>Buckets—metal</td>
<td>Picnic baskets</td>
</tr>
<tr>
<td>Bushels</td>
<td>Pitchers</td>
</tr>
<tr>
<td>Dinner pails</td>
<td>Shopping hand baskets</td>
</tr>
<tr>
<td></td>
<td>Slop pails</td>
</tr>
</tbody>
</table>

### 2116 Cans
- Aluminum cans
- Beverage cans
- Canisters
- Canned foods
- Foil-fiber cans
- Food cans
- Garbage can
- Paint cans
- Gasoline cans
- Milk cans
- Oil cans
- Packing cans
- Tin cans
- Trash cans
- Watering cans

### 2117 Pots, pans, trays
- Ashtrays
- Baking pans
- Bread pans
- Cake pans
- Dishpans
- Dustpans
- Frying pans
- Pots for plants
- Flowerpots
- Kettles—nonpressurized
- Pans—kitchen
- Pots—kitchen
- Serving trays
- Skillets
- Trays—plastic
- Woks
- Portable planters
- Teapots

### 2118 Tanks, bins, vats—nonconfined space
- Aquariums
- Trash bins
- Troughs
- Tubs—excluding bathtubs
- Vats—wooden
- Septic tanks
- Postal containers, lugs
- Wine vats
- Tanks—coopered
- Dumpsters
- Tubs—coopered
- Melting pots
- Laundry bins
- Tubs—bus or other kitchen
- Harvest lugs
- Vats—stainless steel (except pressurized)

### 2119 Containers—nonpressurized, n.e.c.
- Air cargo containers
- Intermodal shipping containers
- Laundry hampers

*-Asterisks denote a summary level code not assigned to individual cases.*
212* Containers—pressurized

This group classifies pressurized containers which are fix-shaped receptacles used to hold, store, or carry gases, vapors, or liquids.

Includes: boilers; hoses; pressure lines; pressurized tanks and cylinders

Excludes: nonpressurized tanks (2118); air compressors (3991); pressure-cooking equipment (332*); pipes, ducts, tubing (412*); valves (423)

2120 Containers—pressurized, unspecified

2121 Boilers
- Industrial boilers
- Marine boilers

2122 Hoses
- Fire hoses
- Garden, water hoses
- Hoses—metal
- Pressure hoses

2123 Oxygen tanks and cylinders
- Pressurized oxygen tanks and cylinders

2124 Pressure lines, except hoses

2125 Propane tanks and cylinders
- Pressurized propane tanks and cylinders

2126 Beer and soda kegs

2127 Fire extinguishers

2129 Containers—pressurized, n.e.c.

Includes: air receiver tanks, pressure gas tanks, pressure housings, other pressurized cylinders, other pressurized vats, drums—pressurized containers

Excludes: pressure cookers (332*), pressure fryers (3322)

213* Containers—variable restraint

This group classifies containers including bundles, packages, and rolls where the material being contained is usually the surface of the container

-Asterisks denote a summary level code not assigned to individual cases.
that is, the item is not contained by anything distinct).

*Includes:* bundles, bales; packages, parcels; reels, rolls, spools, coils, cones

*Excludes:* nonpressurized containers (211*); pressurized containers (212*); pallets (216); boxed parcels and packages (2114)

2130 Containers—variable restraint, unspecified

2131 Bundles, bales
   Bales of cotton
   Bales of hay

2132 Packages, parcels
   Mailing packages, parcels
   Paper packages, parcels

2133 Reels, rolls, spools, coils, cones
   Beams, bolts of fabric
   Rolls of carpet
   Reels of metal banding, wire
   Rolls of fabric
   Reels of steel wool
   Rolls of paper
   Spools of wire
   Coils of wire
   Coils of steel
   Cones of yarn
   Rolls of linoleum
   Rolls of roofing paper

2139 Containers—variable restraint, n.e.c.

214* Dishes, drinking cups, beverage glasses

This group classifies containers which are commonly used for drinking and eating.

*Includes:* dishes, bowls; drinking cups, beverage glasses

*Excludes:* bottles (2113); pitchers (2115); pots, pans, trays (2117); cooking and eating utensils, except knives (792)

2140 Dishes, drinking cups, beverage glasses, unspecified

2141 Dishes, bowls
   Bowls—any use or composition
   Dishes—any use or composition
   Plates—any use or composition

2142 Glasses—beverage, drinking cups
   Beer mugs
   Glasses—drinking
   Cups—drinking
   Wine glasses

*-Asterisks denote a summary level code not assigned to individual cases.
Cups—measuring

2149  Dishes, drinking cups, beverage glasses, n.e.c.

215*  Luggage, handbags

This category classifies container-carriers which are used for holding and carrying personal belongings.

Includes:  briefcases; handbags, pocketbooks, wallets, tote bags; backpacks; suitcases, baggage, luggage; computer and laptop cases; mail bags and satchels—shoulder; tool belts

Excludes:  footlockers, chests (2212); lockers (2215)

2150  Luggage, handbags, unspecified

2151  Briefcases

Portfolios

2152  Handbags, pocketbooks, wallets, tote bags

Billfolds

Book bags, except backpacks

Cosmetic pouches

Purses

Shoulder bags—except mail bags—hand

2153  Suitcases, baggage, luggage

Gym bags

Overnight bags

Carry-on bags

Suit bags

Flight bags

Duffel bags

2154  Computer and laptop cases

2155  Backpacks

2156  Mail bags and satchels—shoulder

Bags—mail satchel

Mail bags—shoulder

2157  Tool belts

2158  Multiple luggage and handbags

2159  Luggage, handbags, n.e.c.

Golf bags

Musical instrument cases

216  Skids, pallets

This code classifies skids and pallets of any use or composition including those used as working surfaces.

*-Asterisks denote a summary level code not assigned to individual cases.
Includes: skids, pallets, pallet containers

218 Multiple types of containers
Luggage and boxes

219 Containers, n.e.c.
This code classifies all containers that are not elsewhere classified in the Containers major group.

22* Furniture and fixtures

220 Furniture and fixtures, unspecified

221* Cases, cabinets, racks, shelves
This source group classifies free-standing or built-in cases, cabinets, counters, racks, lockers, and shelves. These items may be designed for household, office, public building, or other use. Items that have been manufactured and ready for installation are included here.

Includes: bookcases; display and storage cabinets and cases; counters, counter tops; garment and other racks; lockers; partitions; shelving; cages

Excludes: boxes, crates, cartons (2114); refrigerated lockers (3314); cases of food or other product (2114); cases of paper (2114); entertainment centers (2239)

2210 Cases, cabinets, racks, shelves, unspecified

2211 Bookcases
Bookcases—any composition
Bookcases—free-standing
Bookcases—built-in

2212 Cabinets, cases—display, storage
Cedar chests
China cabinets
Footlockers
Kitchen cabinets
Medicine cabinets
Cabinets, cupboard doors
Safes
Office or file cabinets
Showcases
Tool chests
Toy chests, boxes
Treasure chests
Filing cabinets
Bathroom vanities

2213 Counters, counter tops
Bar counters
Kitchen counters
Bathroom vanity tops

*-Asterisks denote a summary level code not assigned to individual cases.
2214  Racks—garment and other
     Book and magazine racks       Display racks
     Clothes-drying racks         Mail-sorting racks
     Coat racks                   Bread racks
     Bike racks                   Kitchen racks
     Tool racks                   Clothing fixtures

2215  Lockers
     *Includes:  wall lockers
     *Excludes:  refrigerated lockers

2216  Partitions
     Office partitions            Room partitions

2217  Shelves, shelving
     *This code should be used as secondary source when the primary source of the injury is an object that fell from a shelf.
     Display shelving             Office and store shelving

2218  Cages, cage racks

2219  Cases, cabinets, racks, shelves, n.e.c.

222*  Floor, wall, and window coverings
     *This group classifies floor, wall, and window coverings such as carpets, wallpaper, and curtains.
     *Includes:  floor coverings; wall coverings; window coverings, blinds, shades, or draperies
     *Excludes:  floor surfaces (662*); sidewalks (664*); rolls of carpet or linoleum (2133); ceiling tiles (4141); vinyl floor tiles (4144); wood paneling (4152); sheet flooring (4195); siding (4196); wallboard (4198)

2220  Floor, wall, and window coverings, unspecified

2221  Floor coverings—nonstructural
     Carpet (except rolls)         Linoleum (except rolls)
     Floor mats                   Area rugs (except rolls)
     Throw rugs (except rolls)    Door mats

*-Asterisks denote a summary level code not assigned to individual cases.
2222  **Wall coverings**  
*Wall panels—acoustic  Wallpaper (except rolls)*

2223  **Window coverings, blinds, shades, draperies**  
*Blinds  Venetian blinds*  
*Curtains  Window shades*  
*Drapes*

2229  **Floor, wall, and window coverings, n.e.c.**

223*  **Furniture**

This group classifies different types of home, office, and workshop furniture as well as that located in public buildings.

*Includes:*  
beds, mattresses; benches, workbenches, saw horses; chairs; desks; sofas; tables, worktables

*Excludes:*  
cases, cabinets, racks, shelves (221*); lamps (2241); air mattresses (7634); sleeping bags (7634); billiard and ping pong tables (7639); pianos (7931); sheets, towels, linens, bedding (915); step stools (7422); clocks (791)

2230  **Furniture, unspecified**

2231  **Beds, mattresses**  
*Bed frames  Folding beds  
Bunk beds  Futons  
Cots  Hammocks  
Cradles  Headboards  
Cribs  Water beds  
Bed rails  Hospital beds  
Box springs*

*Excludes:*  
sofa beds (2235)

2232  **Benches, workbenches, saw horses**  
*Park benches  Shop benches  
Pews  Utility benches  
Piano benches  Workbenches  
Saw horses*

2233  **Chairs**  
*Arm chairs  High chairs  
Bar stools  Recliners  
Easy chairs  Rocking chairs*

*-Asterisks denote a summary level code not assigned to individual cases.
### SOURCES

<table>
<thead>
<tr>
<th>2234</th>
<th><strong>Desks</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Computer desks</strong></td>
<td><strong>School desks</strong></td>
</tr>
<tr>
<td><strong>Office desks</strong></td>
<td><strong>Work stations</strong></td>
</tr>
<tr>
<td><strong>Roll-top desks</strong></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2235</th>
<th><strong>Sofas</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Couches</strong></td>
<td><strong>Love seats</strong></td>
</tr>
<tr>
<td><strong>Divans</strong></td>
<td><strong>Ottomans</strong></td>
</tr>
<tr>
<td><strong>Loungers</strong></td>
<td><strong>Sofa beds</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2236</th>
<th><strong>Tables, worktables</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Card tables</strong></td>
<td><strong>End tables</strong></td>
</tr>
<tr>
<td><strong>Cocktail tables</strong></td>
<td><strong>Folding tables</strong></td>
</tr>
<tr>
<td><strong>Coffee tables</strong></td>
<td><strong>Kitchen tables</strong></td>
</tr>
<tr>
<td><strong>Conference tables</strong></td>
<td><strong>Lamp stands</strong></td>
</tr>
<tr>
<td><strong>Dining tables</strong></td>
<td><strong>Operating tables</strong></td>
</tr>
<tr>
<td><strong>Vanities (bedroom)</strong></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2237</th>
<th><strong>Dressers, armoires</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Chest of drawers</strong></td>
<td><strong>Dresser drawers</strong></td>
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<td><strong>Bureau</strong></td>
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<tr>
<th>2238</th>
<th><strong>Multiple types of furniture</strong></th>
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<th><strong>Furniture, n.e.c.</strong></th>
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<td><strong>Entertainment centers</strong></td>
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<td><strong>Foot rests</strong></td>
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<thead>
<tr>
<th>224*</th>
<th><strong>Lighting fixtures and equipment</strong></th>
</tr>
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</table>

This source group classifies home, office, and industrial lighting equipment.

*Includes:* lamps, light bulbs (incandescent or fluorescent), neon lights, traffic lights, chandeliers, lanterns, spot lights, UV lights, street lights and tower lights (unless injury results from fall from or contact with the pole), halogen lamps

*Excludes:* electric parts (441*); flashlights (7299); flash bulbs (7619); headlights and other vehicle lights (489)

| 2240 | **Lighting equipment, unspecified** |

*-Asterisks denote a summary level code not assigned to individual cases.*
2241  Lamps, light fixtures
2242  Light bulbs
2249  Lighting equipment, n.e.c.

225*  Plumbing fixtures

This source group classifies home, office, and industrial plumbing fixtures.

Includes:  bathtubs; sinks; toilets; showers; faucets

Excludes:  pipes (412*); valves (423), augers, plumber’s snakes (7111, 7211, 7311)

2250  Plumbing fixtures, unspecified
2251  Bathtubs, hot tubs, showers

2252  Sinks
        Bathroom sinks
        Kitchen sinks

2253  Toilets, urinals

2259  Plumbing fixtures, n.e.c.
        Drinking fountains
        Faucets

226*  Blackboards, bulletin boards, mirrors

Includes:  mirrors, bulletin boards, blackboards, white boards, smart boards

Excludes:  wallboard (4198), drywall (4198), movie screens (7614)

2260  Blackboards, bulletin boards, mirrors, unspecified
2261  Blackboards, bulletin boards, mirrors—wall-mounted
2262  Blackboards, bulletin boards, mirrors—stand-alone

229  Furniture and fixtures, n.e.c.
        Podiums
        Water coolers

29  Containers, furniture, and fixtures, n.e.c.

-Asterisks denote a summary level code not assigned to individual cases.
3* MACHINERY

This division classifies light and heavy machinery which perform specific functions or processes under power. Machinery is defined as a combination of smaller machines (elements or parts) which are capable of motion and are contained in a stationary frame. Computer, audio, and video products, as well as heating, cooling and cleaning machinery and appliance are also included in this definition. Machines that are primarily used for transporting people or materials are classified in division 8 (Vehicles). Handheld power tools are classified in major group 72 (Handtools—powered). If a part is known or assumed to be attached to a machine when an injury occurs, then the entire machine should be listed as the source in this division unless the event is overexertion or the injury was inflicted by an electrical cord, overhead powerline, or floor of a vehicle in a non-transportation incident. If a part is known to be unattached and independent of a machine, or if it is probable that a machine is not involved, then that specific part should be selected as the source. The smaller parts which are used in machinery are classified in major group 44 (Machine, tool, and electric parts).

Includes: agricultural and garden machinery; construction, logging, and mining machinery; heating, cooling, and cleaning machinery and appliances; material and personnel handling machinery (e.g., conveyors, cranes, hoists, elevators, etc.); metal, woodworking, and special material machinery; office and business machinery; special process machinery; miscellaneous machinery

Excludes: hoisting accessories (43*); machinery parts (44*); motors (4414); engines (4424); nonpowered handtools (71*); powered handtools (72*); vehicles (8*); powered industrial vehicles—material hauling and transport (862*); tractors, PTOs (863*); forklifts (8621)

30 Machinery, unspecified

31* Agricultural and garden machinery

This major group classifies machinery used to perform specific agricultural and garden functions or processes.

Includes: harvesting and threshing machinery; mowing machinery; plowing, planting, and fertilizing machinery; other agricultural and garden machinery

Excludes: construction, logging, and mining machinery (32*); gravity conveyors (341*); powered conveyors (342*); elevators (346*); parts and materials (4*); feed wagons (483); vehicles (8*); tractors, PTOs (863*)

*-Asterisks denote a summary level code not assigned to individual cases.
310 Agricultural and garden machinery, unspecified

311* Harvesting and threshing machinery

This source group classifies agricultural and garden machinery which primarily perform harvesting or threshing functions.

Includes: balers; combines; agricultural harvesters and reapers; threshers

Excludes: mowing machinery (312*); logging harvesters (3231); tractors and PTOs (863*)

3110 Harvesting and threshing machinery, unspecified
3111 Balers—agricultural
3112 Combines

3113 Harvesters, reapers

Includes: agricultural harvesters

Excludes: logging harvesters (3231)

3114 Threshers

3119 Harvesting and threshing machinery, n.e.c.
   Forage choppers   Tree shakers

312* Mowing machinery

This source group classifies agricultural and garden machinery which primarily perform mowing functions.

Includes: nonriding and riding lawn mowers; tractor mowers; brush hogs

Excludes: harvesting and threshing machinery (311); lawn edgers, clippers, trimmers—powered (7225); tractors (863*)

3120 Mowing machinery, unspecified
3121 Lawn mowers—nonriding, powered
3122 Lawn mowers—riding

3123 Brush hogs—tractor
   Brush hogs
   Hay mowers
   Haying machines

*-Asterisks denote a summary level code not assigned to individual cases.
3124  Sickle bars—tractor

3125  Mower—tractor, n.e.c.

3129  Mowing machinery, n.e.c.
      Push mowers—nonpowered

313*  Plowing, planting, and fertilizing machinery

This source group classifies agricultural and garden machinery which primarily perform plowing, planting, or fertilizing functions. Also included here are plows, discs, cultivators, and spreaders that are attached to tractors.

Includes:  plowing and cultivating machinery; seed planting machinery; agricultural spreading machinery

Excludes:  snow plows (8429); vehicles (8*); tractors (863*)

3130  Plowing, planting, and fertilizing machinery, unspecified

3131  Plowing and cultivating machinery
      Cultivators   Harrows
      Discs        Plows
      Roto tillers

3132  Seed planting machinery

3133  Spreading machinery—agricultural
      Includes:  fertilizer spreaders, manure spreaders

      Excludes:  hand-held and push fertilizer spreaders (7199); spraying and dusting machinery (3192)

3139  Plowing, planting, and fertilizing machinery, n.e.c.

319*  Other agricultural and garden machinery

This source group classifies agricultural and garden machinery which perform specific functions or processes other than those previously classified.

Includes:  agricultural feed grinders, feed crushers, and feed mixers; agricultural spraying and dusting machinery (except aircraft); irrigation machinery

*-Asterisks denote a summary level code not assigned to individual cases.
Excludes: construction, logging, and mining machinery (32*); gravity conveyors (341*); powered conveyors (342*); elevators (346*); parts and materials (4*); feed wagons (483); vehicles (8*); crop-dusting aircraft (8112); tractors (863*); dairy and milk processing machinery (3716); forklifts, order pickers, and other powered industrial carriers (862*)

3190 Other agricultural and garden machinery, unspecified
3191 Feed grinders, crushers, mixers—agricultural

3192 Spraying and dusting machinery—agricultural

Excludes: crop dusting aircraft (8112)

3193 Irrigation machinery

Excludes: garden, lawn sprinklers (3199)

3199 Agricultural and garden machinery, n.e.c.

Includes: sprinklers

Excludes: crop irrigation machinery (3193)

32* Construction, logging, and mining machinery

This major group classifies machinery which perform specific construction (or demolition), logging, and mining functions or processes. Skid steers are classified according to the type of attachment. If the type of attachment is unknown, use code 320.

Includes: excavating machinery; loaders; logging and wood processing machinery; mining and drilling machinery; road grading and surfacing machinery

Excludes: agricultural and garden machinery (31); material and personnel handling machinery (34*); metal, woodworking, and special material machinery (35*); vehicles (8*); tractors (863*); forklifts, order pickers, and other powered industrial carriers (862*)

320 Construction, logging, and mining machinery, unspecified

321* Excavating machinery

This source group classifies machinery which primarily perform excavating functions. Excavating machines include those that dig earth and rock (power shovels, backhoes, trenchers) and place it in separate

*-Asterisks denote a summary level code not assigned to individual cases.
hauling units, those that pick up and transport material (bulldozers), as well as those that cast and drag a scoop through water to excavate the bottom soil (draglines).

Includes: backhoes, backhoe loaders, trackhoes, trackhoe loaders; bulldozers; front and power shovels; mini excavators; trenchers; draglines, dredges

Excludes: loaders—except backhoe and trackhoe (322*); drilling machinery (324*); tunneling machines (3243); hooks, shackles, magnets, clamshells, grapples (432); vehicles (8*)

3210 Excavating machinery, unspecified

3211 Backhoes, trackhoes

Includes: excavators, except mini; pipelayers; backhoe loaders; trackhoe loaders

Excludes: mini excavators (3214)

3212 Bulldozers

Crawler dozers  Wheeled dozers

3213 Front and power shovels

3214 Mini excavators

3215 Trenchers

Trenching machines
Continuous bucket excavators

3219 Excavating machinery, n.e.c.

Draglines  Marine excavators
Marine dredges  Suction dredges

322* Loaders

This source group classifies machinery which primarily performs loading operations. Loaders basically consist of a movable bucket, either smooth mouthed or toothed, mounted on a series of movable arms at the front of a crawler or rubber-tired tractor. Skid steers with a loading attachment and mini loaders are included here. Skid steers with other types of attachments, such as forklifts, are coded into the appropriate category according to the type of attachment.

Includes: bucket loaders; end loaders; front-end loaders; skid steer loaders; mini loaders

*-Asterisks denote a summary level code not assigned to individual cases.
**SOURCE**

*Excludes:* excavating machinery (321*); log loaders (3237); backhoe and trackhoe loaders (3211)

3220  Loaders, unspecified
3221  Bucket, front-end, end, and pay loaders
3222  Skid steer loaders, mini loaders
3229  Loaders, n.e.c.

323*  Logging and wood processing machinery—specialized

This source group classifies machinery which primarily perform specialized logging and wood processing operations.

*Includes:* chippers; logging skidders; debarkers; harvesters (logging); log loaders

*Excludes:* agricultural harvesters (3113); other loaders (322*); material and personnel handling machinery (34*); metal, woodworking, and special material machinery (35*); paper production machinery (374*); other grapples (432)

3230  Logging and wood processing machinery—specialized, unspecified

3231  Mechanical harvesters—logging

*Includes:* fellers, feller-bunchers, feller-forwarders, log forwarders, log harvesters

*Excludes:* agricultural harvesting machinery (3113)

3232  Forwarding and yarding machinery, except feller-forwarders

3233  Skidders—cable and grapple

*Logging skidders*

3234  Chippers

3235  Log processing machinery

*Includes:* delimiters, debarkers, slashers

3236  Combination log processing machinery

3237  Log loaders

*Includes:* heel boom and wheeled log loaders

*-Asterisks denote a summary level code not assigned to individual cases.
**Excludes:** truck-mounted boom loaders (8422)

### 3239 Logging and wood processing machinery—specialized, n.e.c.

### 324* Mining and drilling machinery

This source group classifies machinery which primarily perform mining and drilling operations including oil and gas extraction. Mining machinery is used in removing and transporting valuable solid minerals from their place of natural origin to a more accessible location for further processing or transportation. Many mining-type machines are used for excavating in the construction industry and should be classified accordingly. Drilling machinery is generally used to bore vertical holes while tunneling machinery is generally used to bore horizontal holes. Code 3244 includes machinery involved in oil and gas extraction, such as oil drilling rigs and derricks, powered tongs, drawworks, and crown and block.

**Includes:** drilling machines, drilling augers; mineral sorters, separators, concentrators; tunneling machines; oil drilling rigs and machinery

**Excludes:** coal breakers and crushers (3292); grain augers (3427); augers used as conveyors (3427); nonpowered portable handheld augers (7111); nonpowered portable handheld drills (7113); powered portable handheld augers (7211); powered portable handheld drills (7213); offshore oil platforms (6213); pump jacks (3797)

### 3240 Mining and drilling machinery, unspecified

### 3241 Drilling machines, drilling augers

**Includes:** continuous miners, mechanical miners, diamond drills, rock drills, jet flame drills, water-jet drills

**Excludes:** oil drilling rigs and machinery (3244)

### 3242 Mineral sorters, separators, concentrators

### 3243 Tunneling machines

**Includes:** bore tunneling machines, horizontal boring machines, directional drilling machines, micro-tunneling machines

### 3244 Oil drilling rigs and machinery

*-Asterisks denote a summary level code not assigned to individual cases.*
**3249 Mining and drilling machinery, n.e.c.**

*Includes:* mineral property analyzers

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**325* Road grading and surfacing machinery**

This source group classifies machinery which primarily perform road grading and surfacing operations.

*Includes:* asphalt and concrete spreaders; asphalt and concrete paving machines, pavers; rollers compactors—construction; graders, scrapers—construction; milling machines, cold planers, and road profilers; road recyclers, road reclaimers; material transfer machines; linemarking and striping machinery

*Excludes:* construction, logging, and mining machinery (32*); street sweeping and cleaning machinery (894); vehicles (8*)

### 3250 Road grading and surfacing machinery, unspecified

### 3251 Asphalt and concrete spreaders

### 3252 Asphalt and concrete paving machines, pavers

### 3253 Rollers, compactors—construction

*Includes:* oil compactors; asphalt rollers and compactors; landfill compactors; vibratory rollers and compactors; pneumatic rollers and compactors; steam rollers

### 3254 Graders, scrapers—construction

*Includes:* elevating scrapers, coal bowl scrapers, open bowl scrapers, push-pull scrapers

### 3255 Milling machines, cold planers, and road profilers

### 3256 Road recyclers, road reclaimers

### 3257 Material transfer machines

*Includes:* transfer machines, shuttle buggies, windrow machines

*-Asterisks denote a summary level code not assigned to individual cases.*
3258  Road linemarking and striping machinery

3259  Road grading and surfacing machinery, n.e.c.

329*  Other construction, logging, and mining machinery

This source group classifies construction, logging, and mining machinery which perform specific functions or processes other than those previously classified.

Includes: mineral agitators, mixers; compactors, crushers, pulverizers; pile drivers, tamping machinery; pile extractors

Excludes: agricultural and garden machinery (31*); asphalt rollers and compactors (3253); material and personnel handling machinery (34*); metal, woodworking, and special material machinery (35*); vehicles (8*); tractors (863*)

3290  Other construction, logging, and mining machinery, unspecified

3291  Agitators, mixers—earth, mineral
   Cement mixers (except trucks)

3292  Compactors, crushers, pulverizers—earth, mineral
   Coal breakers
   Coal crushers

3293  Pile drivers, tamping machinery

Includes: drop hammers; pile hammers; air, diesel, and vibratory hammers; combination pile driving and extracting units; pile hammer machinery

Excludes: handheld pile drivers and tampers (72*)

3299  Construction, logging, and mining machinery, n.e.c.
   Pile extractors

33*  Heating, cooling, and cleaning machinery and appliances

This major group classifies machinery which perform specific heating, cooling, and cleaning functions or processes.

Includes: cooling and humidifying machinery and appliances; heating and cooking machinery and appliances; washers, dryers, and cleaning machinery and appliances

*-Asterisks denote a summary level code not assigned to individual cases.
*-Asterisks denote a summary level code not assigned to individual cases.

**Excludes:** boilers (2121); dairy and milk processing machinery (3716); industrial furnaces and forging machinery (3533); distilling and rectifying machinery (3792); incinerators (3993); vending machines (3996); vehicle fans (4824); welding & cutting machinery (359*); powered welding and heating handtools (726*)

### 330 Heating, cooling, and cleaning machinery and appliances, unspecified

#### 331* Cooling and humidifying machinery and appliances

This source group classifies machinery which primarily performs cooling and humidifying functions.

**Includes:** air conditioners; fans, blowers; humidifiers, dehumidifiers, vaporizers; refrigerators, freezers, ice makers

**Excludes:** dairy and milk processing machinery (3716); vehicle fans (4824)

### 3310 Cooling and humidifying machinery and appliances, unspecified

### 3311 Air conditioning units

### 3312 Fans, blowers—wall, floor, ceiling, ventilation

- **House fans**
- **Industrial fans**

### 3313 Humidifiers, dehumidifiers, vaporizers

### 3314 Refrigerators, freezers, ice makers

### 3319 Cooling and humidifying machinery and appliances, n.e.c.

### 332* Heating and cooking machinery and appliances

This source group classifies machinery which primarily performs general heating and cooking functions, as well as fabric pressing and steaming functions. Pressure cookers are included in this category.

**Includes:** beverage heating and percolating equipment and appliances; broiling and frying equipment and appliances; fabric pressers and ironing appliances; furnaces, heaters; kilns; ranges, cooking ovens, grills, toasters, food warmers; steaming equipment and appliances

**Excludes:** boilers (2121); dairy and milk processing machinery (3716); industrial furnaces and forging machinery (3533); distilling and rectifying machinery (3792); incinerators
3320 Heating and cooking machinery and appliances, unspecified

3321 Beverage heating and percolating equipment and appliances
   Coffee makers

3322 Broiling and frying equipment and appliances
   Pressure fryers

3323 Fabric pressers and ironing appliances
   Excludes: steaming equipment (3327)

3324 Furnaces, heaters
   Domestic furnaces
   Franklin stoves
   Gas and oil furnaces
   Heating units
   Hot-water heaters
   Registers, furnace
   Potbellied stoves
   Registers
   Solar heaters
   Space heaters
   Radiators
   Pressure-cooking equipment

3325 Kilns

3326 Ranges, cooking ovens, grills, toasters, food warmers
   Camping stoves—portable
   Grills—outdoor, indoor
   Hibachis
   Microwave ovens
   Ovens—kitchen, cooking
   Ranges—kitchen, cooking
   Roasters
   Stoves—kitchen, cooking
   Toasters
   Waffle irons

3327 Steaming equipment and appliances

3329 Heating and cooking machinery and appliances, n.e.c.

333* Washers, dryers, and cleaning machinery and appliances

   This source group classifies machinery which primarily performs washing, drying, and cleaning functions for specific products.

   Includes: car washing machinery, except for hand-held power washers; clothes dryers; clothes washers; dishwashers; hair and hand dryers; vacuum cleaners; other filtering and purifying machinery

*-Asterisks denote a summary level code not assigned to individual cases.
Excludes: kilns (3325); paper production dryers (3743); paper production washers, bleachers, refiners (3746); street sweeping and cleaning machinery (894); hand-held power washers, pressure washers (7293)

3330 Washers, dryers, and cleaning machinery and appliances, unspecified
3331 Car or vehicle washing machinery
3332 Clothes dryers
3333 Clothes washers
3334 Dishwashers
3335 Hair and hand dryers
3336 Vacuum cleaners

3339 Washers, dryers, and cleaning machinery and appliances, n.e.c.

Other filtering and purifying machinery

339 Heating, cooling, and cleaning machinery and appliances, n.e.c.

This source group classifies heating, cooling, and cleaning machinery and appliances which perform functions other than those previously classified.

34* Material and personnel handling machinery

This major group classifies machinery which perform specific material handling functions or processes. This category also includes machinery, such as elevators and aerial lifts, used to raise and lift workers to a height needed to perform work tasks.

If a part is known or assumed to be attached to a machine when an injury occurs, then the entire machine should be listed as the source in this division unless the event is overexertion or the injury was inflicted by an electrical cord, overhead powerline, or floor of a vehicle in a nontransportation incident.

If a part is known to be unattached and independent of a machine, or if it is probable that a machine is not involved, then that specific part should be selected as the source.

Material handling machinery are usually composed of many smaller parts and elements. For example, hoisting machines, cranes, derricks, and elevators employ sheaves and pulleys (called blocks) to perform their operations. The majority of these smaller material handling machinery components are classified in major group 43 (Hoisting accessories), and major group 44 (Machine, tool, and electric parts). If power is unknown, such as whether a conveyor is gravity or powered, choose the first one in the coding structure.

*-Asterisks denote a summary level code not assigned to individual cases.
Includes: gravity conveyors; powered conveyors; cranes; overhead hoists; derricks; elevators; jacks; winders, unwinders

Excludes: agricultural and garden machinery (31*); construction, logging, and mining machinery (32*); logging and wood processing machinery (323*); hoisting accessories (43*); machine, tool, and electric parts (44*); scaffolds, staging (634*); vehicles (8*); forklifts (8621)

340 Material and personnel handling machinery, unspecified

Package conveyor

341* Conveyors—gravity and nonpowered

This source group classifies conveyors which primarily perform conveying functions through the use of gravity. Gravity conveyors are limited to use in instances where the material being conveyed is to be lowered in elevation or rolled along a level path.

Includes: chutes; roller conveyors; wheel conveyors, including skate wheel conveyors

Excludes: powered conveyors (342*); unattached rollers (4427)

3410 Conveyors—gravity and nonpowered, unspecified

3411 Chutes

3412 Conveyors—roller

3413 Conveyors—wheel

3419 Conveyors—gravity and nonpowered, n.e.c.

342* Conveyors—powered

This source group classifies conveyors which primarily perform conveying functions through the use of an electrical or other power source. Powered conveyors are used in instances where the material being conveyed is to be raised, lowered, or moved along a level path. Live roller conveyors are classified in 3424, regardless of whether they are belt or chain driven. Drycleaning and garment conveyors are coded in 3429.

Includes: belt conveyors; belt loaders; bucket, cup conveyors; chain conveyors; live roller conveyors; pan conveyors; pneumatic conveyors; screw and auger conveyors, such as grain augers; slot conveyors

Excludes: gravity conveyors (341*); chain and belt drives (4422)

*Asterisks denote a summary level code not assigned to individual cases.
**Cranes**

This source group classifies cranes which primarily are used for lifting heavy weights by means of a movable projecting arm or a horizontal beam traveling on an overhead support.

*Includes:* floating cranes; gantry cranes; hammerhead cranes; mobile, truck, or rail-mounted cranes; monorail and underhung cranes; overhead cranes; portal, tower, and pillar cranes

*Excludes:* overhead hoists (344*); derricks (345); elevators (346)

- **3430** Cranes, unspecified
- **3431** Cranes—truck-mounted
- **3432** Cranes—rail-mounted
  *Includes:* railroad cranes
  *Excludes:* monorail cranes, gantry cranes (3436)
- **3433** Cranes—floating, barge mounted
- **3434** Cranes—other mobile cranes
  *Includes:* crawler cranes, all-terrain cranes, rough-terrain cranes
- **3435** Cranes—tower, self-erecting, portal, pillar, hammerhead
- **3436** Cranes—gantry, overhead, monorail, container
- **3437** Cranes—other fixed or stationary cranes
  *Includes:* dock cranes, jib cranes, bulk loading cranes
- **3439** Cranes, n.e.c.

*Asterisks denote a summary level code not assigned to individual cases.*


344* Overhead hoists

This source group classifies electric, manual, and pneumatic hoists for raising and lowering material with intermittent motion while holding the material freely suspended. This source group also includes aircraft loading hoists.

Includes: powered and manual overhead hoists

Excludes: elevators (346*); hoisting accessories such as fixtures, hooks, or slings (43*); patient hoist (757); automotive lifts (3464)

3440 Overhead hoists, unspecified
3441 Overhead hoists—electric powered
3442 Overhead hoists—manual
3443 Overhead hoists—pneumatic powered
3449 Overhead hoists, n.e.c.

345 Derricks and related equipment

This source group classifies material handling machinery which primarily function as derricks, hoisting mechanisms which use ropes or cables running on pulleys.

Includes: a-frame derricks; basket derricks; breast derricks; gin pole derricks; guy derricks

Excludes: oil drilling rigs and derricks (3244); offshore oil platforms (6213)

346* Elevators, hoists, aerial lifts, personnel platforms—except truck-mounted

This source group classifies material handling machinery which is primarily used to lift and lower a load along a fixed vertical path of travel with intermittent motion. This source group also includes farm and grain elevators, building elevators, aerial lifts, and scissor lifts.

The most common elevators use electric motors, cables, pulleys, and counterweights. If any of these specific parts are listed as the source—and they are known to be unattached and independent of an elevator—they are classified in division 4 (Parts and Materials). The source for falls down elevator shafts should be elevator shaft (658).

*Asterisks denote a summary level code not assigned to individual cases.
Includes:  dumbwaiters (3461); electric elevators (3462); hydraulic elevators (3462); hand-operated elevators (3462); manlifts (3463); aerial lifts (3467) non-truck-mounted cherry pickers (3469); personnel hoists (3465); scissor lifts (3467)

Excludes:  powered conveyors (342*); overhead hoists (344*); scaffolds, staging (634*); forklifts (8621); portable car jacks (347); elevator shafts (658); boom trucks (8422); truck-mounted bucket or basket hoists (8422); truck-mounted aerial lifts (8422); truck-mounted cherry pickers (8422); scissor jacks (347)

3460  Elevators, hoists, aerial lifts, personnel platforms—except truck-mounted, unspecified
3461  Dumbwaiters
3462  Elevators
3463  Manlifts
3464  Automobile lifts and hoists
3465  Material and personnel hoists
3466  Boat lifts
3467  Aerial lifts, scissor lifts—except truck-mounted
3469  Elevators, hoists, aerial lifts, personnel platforms—except truck-mounted, n.e.c.

347  Jacks

This code classifies jacks which are primarily used to lift, bolster, hoist, or move something heavy a short distance.

Includes:  hydraulic, mechanical, or pneumatic jacks; bottle jacks; scissor jacks; car jacks

Excludes:  elevators (3462); oil well pump jacks (3797); pallet jacks, motorized (8623); pallet jacks, non-motorized (872); automobile hoists, lifts (3464); scissor lifts, except truck-mounted (3467)

348*  Ski lifts, nonrail amusement rides

This source group includes ski lifts and non-rail amusement rides. If the type of amusement ride is unspecified, code 3482.

3480  Ski lifts, nonrail amusement rides, unspecified
3481  Ski lifts, gondola rides

*Asterisks denote a summary level code not assigned to individual cases.
Includes: chair lift, J-bar lift, T-bar lift, ski tow, aerial gondola rides (regardless of venue), zip lines

3482 Nonrail amusement rides

Includes: spinning amusement rides, ferris wheels

Excludes: roller coaster (821), aerial gondola rides (3481)

3489 Ski lifts, nonrail amusement rides, n.e.c.

349* Other material and personnel handling machinery

This source group classifies material handling machinery that has not been previously classified.

Includes: winders, unwinders; baling and strapping machinery; stacking machinery

Excludes: agricultural and garden machinery (31*); construction, logging, and mining machinery (32*); logging and wood processing machinery (323*); hoisting accessories (43*); machine, tool, and electric parts (44*); vehicles (8*); forklifts (8621); packaging, bottling, wrapping, and bundling machinery (373*); agricultural balers (3111)

3490 Other material and personnel handling machinery, unspecified
3491 Winders, unwinders
3492 Banding, baling, strapping machinery
3493 Stacking machinery
3499 Material and personnel handling machinery, n.e.c.

35* Metal, woodworking, and special material machinery

This major group classifies machinery which primarily perform specific material cutting, shaping, or forming functions or processes. Special material machinery includes those that process plastic, rubber, concrete and other special materials. Many machines classified here are referred to as "Machine Tools"—machines that make the parts for other machines. These machines are commonly used in the manufacturing industries, but may be utilized in other industries as well.

Includes: bending, rolling, shaping machinery; boring, drilling, planing, milling machinery; extruding, injecting, forming, molding machinery; grinding, polishing machinery; lathes; presses (except printing); sawing machinery; threading and tapping machines; electrochemical and discharge machinery (EDM); laser cutting,

*-Asterisks denote a summary level code not assigned to individual cases.
pressure fluid cutting; welding machinery

Excludes: agricultural and garden machinery (31*); construction, logging, and mining machinery (32*); mining and drilling machinery (324*); material and personnel handling machinery (34*); food slicers (3711); meat grinders (3713); paper production machinery (374*); textile, apparel, leather production machinery (376*); painting, priming, metal coating machinery (3796); nonpowered handtools (71*); powered handtools (72*); handheld power saws (7224); powered surfacing handtools (724*)

350 Metal, woodworking, and special material machinery, unspecified

351* Bending, rolling, shaping machinery

This source group classifies machinery which primarily perform metal bending, rolling, or shaping functions to produce workpieces without cutting or removing material. These machines may be used to bend, roll, or shape other materials (e.g., wire, plastics) as well. A calender is a form of press which uses rollers or plates to smooth and glaze cloth, rubber, or paper, or to form these materials into thin sheets. Paper production calenders are classified in 3741 (Calenders/supercalenders—paper production). All other calenders are classified here.

Includes: bending, crimping machines; shearing machines; rolling mills, rolling, calendering machinery

Excludes: calenders used in the paper production industry (3741)

3510 Bending, rolling, shaping machinery, unspecified
3511 Bending, crimping machines
3512 Shearing machines
3513 Rolling mills, rolling, calendering machinery
3519 Bending, rolling, shaping machinery, n.e.c.

352* Boring, drilling, planing, milling machinery

This source group classifies machinery which primarily perform material cutting functions (boring, drilling, planing, and milling). The drilling process creates a hole while the boring process enlarges and trues existing holes. Reamers are used to produce precise hole sizes with a smooth finish. Planers cut large, flat surfaces on a workpiece, or cut many small parts simultaneously. Many milling machines are being replaced by machining centers (3523) which do a number of different operations—milling, drilling, boring, facing, spotting, counterboring, threading, and tapping—in a single setup.

*Asterisks denote a summary level code not assigned to individual cases.
Includes: stationary drills; planing machines; milling machines; reaming machines

Excludes: construction, logging, and mining machinery (32*); mining and drilling machinery (324*); paper production machinery (374*); nonpowered handtools (71*); nonpowered boring and drilling handtools (711*); powered handtools (72*); powered boring and drilling handtools (721*)

3520 Boring, drilling, planing, milling machinery, unspecified

3521 Drills—stationary
Drill presses Jig boring machines
Drilling machines Radial drills
Gang drills

3522 Planing mills

3523 Milling machines
Broaching machines Machining centers

3524 Reaming machines

3525 Boring, routing, notching machines

3529 Boring, drilling, planing, milling machinery, n.e.c.
Gear-cutting machinery Nibbling machines

353* Extruding, injecting, forming, molding machinery

This source group classifies machinery which primarily casts, extrudes, forges, or injects molten metal, plastics, rubber, or other special materials to produce work pieces.

Includes: casting machinery; extruding machinery; forging machinery; plastic injection molding machinery

Excludes: heaters, home furnaces (3324); cooking ovens (3326); industrial ovens used for drying agricultural products, kilns (3325); dies, molds, patterns (4421)

3530 Extruding, injecting, forming, molding machinery, unspecified

3531 Casting machinery
Ingot molding machinery
Molding machinery (except plastic)

*-Asterisks denote a summary level code not assigned to individual cases.
3532  Extruding machinery
   Plastic extruders
   Rubber extruders
   Wire extruders

3533  Forging machinery
   Blast furnaces
   Industrial furnaces
   Cold forging machinery
   Industrial forging ovens
   Forges
   Smelters
   Hot forging machinery

3534  Plastic injection molding machinery
3539  Extruding, injecting, forming, molding machinery, n.e.c.

354*  Grinding, polishing machinery

This source group classifies machinery which primarily perform material surfacing and finishing operations (by grinding or polishing). Grinding machines usually employ a coarse, abrasive wheel. Honing and lapping machines use abrasive sticks, plates, or rolls for precise metal-finishing operations.

Includes: grinders, abraders; honing, polishing, lapping machinery

Excludes: meat grinders (3713); powered surfacing handtools (724); buffers, polishers, waxes—powered (7241); powered hand grinders (7242)

3540  Grinding, polishing machinery, unspecified

3541  Grinders, abraders
   Centerless grinders
   Internal grinders
   Cylindrical grinders
   Surface grinders

3542  Honing, polishing, lapping machinery
3549  Grinding, polishing machinery, n.e.c.

355*  Lathes

This source group classifies lathes which are used to turn and work materials of any composition. Lathes are most commonly used for machining materials to various diameters but may also be used for drilling, boring, threading, knurling, and tapering.

Includes: metalworking lathes; woodworking lathes

Excludes: threading and tapping machines (358); powered turning handtools (725)

*-Asterisks denote a summary level code not assigned to individual cases.
3550  Lathes, unspecified
3551  Metalworking lathes
3552  Woodworking lathes
3559  Lathes, n.e.c.

356*  Presses, except printing

This source group classifies machinery which primarily function as presses, except printing presses.

Includes: assembly presses; brake presses; punch presses

Excludes: fabric pressers (3323); printing presses (3753)

3560  Presses, except printing, unspecified
3561  Assembly presses
3562  Brake presses
3563  Punch presses
3569  Presses, except printing, n.e.c.

357*  Sawing machinery—stationary

This source group classifies machinery which primarily perform material sawing operations.

Includes: arm saws, radial saws; band saws; table saws

Excludes: construction, logging, and mining machinery (32*); food slicers (3711); meat grinders (3713); paper production machinery (374*); textile, apparel, leather production machinery (376*); nonpowered handtools (71*); nonpowered saws (7126); powered handtools (72*); handheld power saws (7224)

3570  Sawing machinery—stationary, unspecified
   Cutoff saws

3571  Arm saws, radial arm saws
3572  Band saws
3573  Table saws

3579  Sawing machinery—stationary, n.e.c.
   Abrasive saws
   Diamond saws

358  Threading and tapping machines

This code classifies machinery which primarily perform material threading

*-Asterisks denote a summary level code not assigned to individual cases.
and tapping operations. Machines that make screws, bolts, and nuts are classified here.

**Includes:** threading and tapping machines

**Excludes:** lathes (355*)

### 359* Other metal, woodworking, and special material machinery

This source group classifies metal, woodworking, and special material machinery which perform specific functions other than those previously classified.

**Includes:** electrochemical and discharge machinery (EDM's); laser cutting machinery; pressure fluid cutting machinery; spot and other welding machinery

**Excludes:** welding fumes (147); agricultural and garden machinery (31*); material and personnel handling machinery (34*); food slicers (3711); meat grinders (3713); paper production machinery (374*); textile, apparel, leather production machinery (376*); painting, priming, metal coating machinery (3796); nonpowered handtools (71*); powered handtools (72*); handheld power saws (7224); powered surfacing handtools (724*); welding and heating handtools (726*)

### 3590 Other metal, woodworking, and special material machinery, unspecified

### 3591 Electrochemical and discharge machinery (EDM)

*Electrochemical machinery (ECM)*

### 3592 Laser cutting machinery

*Carbon-dioxide lasers*  *Gas lasers*

### 3593 Pressure fluid cutting machinery

### 3594 Welding machinery

**Includes:** robotic welders

**Excludes:** welding, cutting, and blow torches (7261)

### 3599 Metal, woodworking, and special material machinery, n.e.c.

*Recycling densifier*  *Ultrasonic machinery (USM)*

*-Asterisks denote a summary level code not assigned to individual cases.*
36* Office and business machinery

This major group classifies machinery and equipment which operate primarily in an office, banking, or retail environment.

Includes: computers and peripheral equipment; automated teller machines (ATM's); calculating machines and cash registers; FAX machines; mailing and metering machines; photocopiers; typewriters and word processing equipment; paper shredders

Excludes: furniture and fixtures (2*); audio and video equipment (391*); vending machines (3996); nonpowered staplers (7195); powered staplers (7236); telephones (391*); clocks (791)

360 Office and business machinery, unspecified

361* Computers and peripheral equipment

This source group classifies mainframe, micro, personal, and minicomputers and the peripheral equipment such as printers and terminals used in conjunction with the computer. Computers are coded depending on the type of injury. If a worker is injured from typing on a keyboard, use code 3613. Bar code scanners are included in 3614. If the worker suffers eyestrain, use code 3611. If the worker is injured while lifting a computer or laptop or dropping it on his or her foot, use code 3612. If documents indicate only that a person was injured while performing “data entry” with no indication of the equipment, use code 3618.

Includes: cathode ray tubes (CRT's) and video display terminals (VDT's); computer monitors and screens; electronic computers; computer keyboards; optical scanners; grocery store bar-code scanners; printers and plotters

Excludes: audio and video equipment (391*); word processors (3626); automated teller machines (3621); robots (392); video games (7639); computer cables (4418); personal digital assistants, cell phones, smartphones (3913)

3610 Computers and peripheral equipment, unspecified

3611 Computer monitors

Includes: Video display terminals (VDT's), cathode ray tubes (CRTs), computer screens

3612 Computers—CPUs

* Asterisks denote a summary level code not assigned to individual cases.
Includes: personal computers—including laptops, mainframe computers, computer servers, computer processing units (CPUs) and towers

3613 Keyboards—computer

3614 Optical scanners
   Bar code scanners
   Grocery store bar code scanners

3615 Printers and plotters—computer
3616 Computer mice, laptop trackpads

3618 Multiple computer and peripheral equipment
   Keyboards and mice

3619 Computers and peripheral equipment, n.e.c.

362* Office, banking, and retail machinery

This source group classifies other machinery and equipment which primarily function in the office, banking, or retail environment.

Includes: automated teller machines (ATM's); calculating machines and cash registers; FAX machines; mailing and metering machines; photocopiers; typewriters and word processing equipment; paper and office shredders

Excludes: electronic computers and peripheral equipment (361*); bar code scanners (3614); optical scanners (3614); audio and video equipment (391*); vending machines (3996); nonpowered staplers (7195); electric staplers (7236); wood chippers (3234); other special material shredders (35*)

3620 Office, banking, and retail machinery, unspecified
3621 Automated teller machines
3622 Calculating machines and cash registers
3623 FAX machines
3624 Mailing and metering machines
3625 Photocopiers
3626 Typewriters and word processing equipment
3627 Shredders

3629 Office, banking, and retail machinery, n.e.c.
   Coin-counting machinery
   Dictating machines

*-Asterisks denote a summary level code not assigned to individual cases.
369  Office and business machinery, n.e.c.

37*  Special process machinery

This major group classifies machinery which perform special processes related to specific industries other than those previously classified.

Includes: food and beverage processing machinery; medical, surgical, and x-ray machinery and equipment; packaging, bottling, wrapping machinery; paper production machinery; printing machinery and equipment; textile, apparel, leather production machinery; other special process machinery

370  Special process machinery, unspecified

371*  Food and beverage processing machinery—specialized

This source group classifies special process machinery which are primarily used in the food and beverage industries.

Includes: food slicers; juice, oil, fat extractors; meat grinders; food and beverage mixers, blenders, whippers; butchering machinery; dairy and milk processing machinery

Excludes: packaging, bottling, wrapping machinery (373*); bottling, canning, filling machinery (3731)

3710  Food and beverage processing machinery—specialized, unspecified

3711  Food slicers

3712  Juice, oil, and fat extractors

3713  Meat grinders

3714  Mixers, blenders, whippers—food and beverage

3715  Butchering machinery

Skinning machinery Deboning machinery
Filleting machinery

3716  Dairy and milk processing machinery—specialized

Butter-making machinery Homogenizers
Clarifiers Milking machines
Cream separators Pasteurizers
Evaporators

3719  Food and beverage processing machinery—specialized, n.e.c.

372*  Medical, surgical, x-ray machinery and equipment

*-Asterisks denote a summary level code not assigned to individual cases.
This source group classifies special process machinery which are primarily used in medical applications. X-ray machinery classified here may be used in industrial and other research applications as well as medical usage.

Incluces:
- medical machinery and equipment; x-ray, magnetic resonance imaging (MRI's), fluoroscope machinery and equipment

Excludes:
- medical and surgical instruments (75*); health care and orthopedic equipment, n.e.c. (752*)

3720 Medical, surgical, x-ray machinery and equipment, unspecified

3721 Medical machinery and equipment, except x-ray
   Hospital monitors

3722 X-ray, magnetic resonance imaging (MRI), and fluoroscope machinery and equipment
   - Fluoroscopic x-ray
   - Therapeutic x-ray
   - Radiographic x-ray
   - Computed tomography (CT)

3729 Medical, surgical, x-ray machinery and equipment, n.e.c.
   Surgical robots

373* Packaging, bottling, wrapping machinery

This source group classifies special process machinery which primarily perform packaging, bottling, and wrapping operations.

Includes:
- bottling, canning, filling machinery; packaging, wrapping, bundling machinery (including boxing machinery); product labeling machinery; sealing, stapling machinery

Excludes:
- agricultural balers (3111); bindery machinery (3751); banding, baling, strapping machinery (3492)

3730 Packaging, bottling, wrapping machinery, unspecified
3731 Bottling, canning, filling machinery
3732 Packaging, wrapping, bundling machinery
3733 Product labeling machinery
3734 Sealing, stapling machinery
3739 Packaging, bottling, wrapping machinery, n.e.c.

374* Paper production machinery

This source group classifies special process machinery which are

* Asterisks denote a summary level code not assigned to individual cases.
primarily operated in the paper production industry. A calender is a form of press which uses rollers or plates to smooth and glaze cloth, rubber, or paper, or to form these materials into thin sheets. Paper production calenders are classified here. All other calenders are classified in source code 3513 (Rolling mills, rolling, calendering machinery).

**Includes:** calenders and supercalenders used in paper production; coaters used in paper production; dryers used in paper production; formers used in paper production; slitters and winders used in paper production; washers, bleachers, and refiners used in paper production

**Excludes:** calenders other than those used in paper production (3513); coating machinery other than that used in paper production (3796)

3740  Paper production machinery, unspecified
3741  Calenders, supercalenders—paper production
3742  Coaters—paper production
3743  Dryers—paper production
3744  Formers—paper production
3745  Slitters, winders—paper production
3746  Washers, bleachers, refiners—paper production
3749  Paper production machinery, n.e.c.

375*  Printing machinery and equipment

This source group classifies special process machinery and equipment which are primarily operated in the printing industry.

**Includes:** bindery machinery; engraving machinery; printing presses; typesetting machinery

**Excludes:** presses other than printing presses (356); laser and other computer printers (3615)

3750  Printing machinery and equipment, unspecified
3751  Bindery machinery
3752  Engraving machinery
3753  Presses—printing
3754  Typesetting machinery
3759  Printing machinery and equipment, n.e.c.

376*  Textile, apparel, leather production machinery

This source group classifies special process machinery and equipment

*-Asterisks denote a summary level code not assigned to individual cases.
which are primarily employed in the textile, apparel, and leather production industries.

*Includes:* textile dyeing machinery; knitting machinery; picking, carding, combing machinery; sewing, stitching machinery; spinning machinery; weaving machinery

*Excludes:* dyeing machinery other than for textiles (3793)

3760  Textile, apparel, leather production machinery, unspecified
3761  Dyeing machinery—textile
3762  Knitting machinery
3763  Picking, carding, combing machinery
3764  Sewing, stitching machinery
3765  Spinning machinery
3766  Weaving machinery
3769  Textile, apparel, leather production machinery, n.e.c.

379*  Other special process machinery

This source group classifies special process machinery and equipment which perform special functions or processes other than those previously classified.

*Includes:* centrifuges; distilling and rectifying machinery; dyeing machinery other than for textiles; gas liquefying machinery; paint mixing machinery; painting, priming, metal coating machinery; pumps, except air compressor

*Excludes:* road linemarking machinery (3258); textile dyeing machinery (3761); paper coating machinery (3742); powered handheld paint sprayers (7292); air compressor pumps (3991)

3790  Other special process machinery, unspecified
3791  Centrifuges
3792  Distilling and rectifying machinery
3793  Dyeing machinery, except textile
3794  Gas liquefying machinery
3795  Paint mixing machinery
3796  Painting, priming, metal coating machinery

3797  Pumps
   Centrifugal pumps
   Concrete pumps
   Fluid power pumps
   Gasoline pumps
   Oil well pumps, pump jacks
   Water, sump pumps

*-Asterisks denote a summary level code not assigned to individual cases.*
3799  Special process machinery, n.e.c.

39*  Miscellaneous machinery

This major group classifies machinery which perform functions or processes other than those previously classified.

Includes: audio and video equipment; product assembly equipment, n.e.c.; product testing, inspecting, and diagnostic machinery, n.e.c.; other machinery

Excludes: hoisting accessories (43*); machinery parts (44*); motors (4414); engines (4424); nonpowered handtools (71*); powered handtools (72*); vehicles (8*); plant and industrial powered vehicles (86*); tractors, PTOs (863*); forklifts (8621)

390  Miscellaneous machinery, unspecified

391*  Audio and video equipment

This source group classifies equipment and electronic appliances which are used to transmit, receive, play, and record audio and video communications.

Includes: radios, stereos, and other audio equipment; telephones and communication equipment; televisions; video players and recorders

Excludes: dictation machines (3629); hospital monitors (3721); computer equipment (361*); cameras and other photographic equipment (761*)

3910  Audio and video equipment, unspecified

3911  Audio equipment
Clock radios Stereos
Microphones Speakers
Radios

3912  Stationary telephones and communication equipment
Desk phones

3913  Mobile phones, personal digital assistants, other mobile devices
Cell phones Palm type computers
Pagers

3914  Televisions

*-Asterisks denote a summary level code not assigned to individual cases.
3915 Video players and recorders
   Digital video recorders

3919 Audio and video equipment, n.e.c.

392 Product assembly machinery, n.e.c.

This code classifies machinery which performs product assembly operations other than those previously classified.

*Includes*: product assembly robots, assembly line machinery not elsewhere classified

*Excludes*: welding machinery (3594)

393 Product testing, inspecting, and diagnostic machinery, n.e.c.

This code classifies product testing, inspecting, and diagnostic machinery other than those previously classified.

*Includes*: product-vibrating machinery; diagnostic machinery

*Excludes*: hospital diagnostic machinery (372); mineral property analyzers (3249)

399* Other machinery

This source group classifies machinery which perform specific functions or processes which are not classified elsewhere in the Machinery division.

*Includes*: air compressors; garbage disposals; incinerators; snowblowers; trash compactors; vending machines

*Excludes*: hoisting accessories (43*); machinery parts (44*); motors (4414); engines (4424); nonpowered handtools (71*); powered handtools (72*); vehicles (8*); plant and industrial powered vehicles (86*); tractors (863*); forklifts (8621); snow plows (8429); street sweepers (894)

3990 Other machinery, unspecified

3991 Air compressors
   *Pump—air compressor*

3992 Garbage disposals

3993 Incinerators

3994 Snowblowers

* Asterisks denote a summary level code not assigned to individual cases.
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3995</td>
<td>Trash compactors</td>
</tr>
<tr>
<td>3996</td>
<td>Vending machines</td>
</tr>
<tr>
<td>3999</td>
<td>Machinery, n.e.c.</td>
</tr>
<tr>
<td></td>
<td>Voting machines</td>
</tr>
<tr>
<td></td>
<td>Gas meters</td>
</tr>
</tbody>
</table>

* Asterisks denote a summary level code not assigned to individual cases.
PARTS AND MATERIALS

This division classifies machine parts, tool parts, and automobile parts, as well as building materials, insulating materials, and nonstructural metal materials. Many of the parts and materials classified here are the smaller components of larger machines, tools, vehicles, buildings, etc. In most instances, detailed codes for "parts" are provided for those parts expected to be sources of injury independent of the "whole" machine, tool, vehicle, building, or other object.

If a part is attached to a machine, tool, or vehicle, then the entire machine, tool, or vehicle should be listed as the source, unless the event is overexertion or the injury was inflicted by an electrical cord, overhead powerline, or floor of a vehicle in a non-transportation incident.

If a part is known to be unattached and independent of a machine, tool, or vehicle—or if it is probable that a machine, tool, or vehicle is not involved in the injury—then that specific part should be listed as the source.

If the material identified as the source of an injury is the general floor surface in a building or on the ground, then the appropriate structure or surface in Division 6 (Structures and Surfaces) should be listed as the source.

If the material identified as the source of an injury is an independent, unattached element, then that specific element (part or material) should be listed as the source.

Includes: building materials—solid elements; structural metal materials; fasteners, connectors, ropes, ties; hoisting accessories; machine, tool, and electric parts; metal materials—nonstructural; tars, sealants, caulking, insulating material; tarps and sheeting—nonmetal; vehicle and mobile equipment parts

Excludes: chemicals and chemical products (1*); paint, lacquer, shellac, varnish (186*); containers (2*); hoses (2122); furniture and fixtures (2*); lighting fixtures (224*) and plumbing fixtures (225*); machinery (3*); metallic minerals (54*); nonmetallic minerals (55*); structural elements (65*); vehicles (8*); apparel and textiles (91*); paper, sheets (932)

40 Parts and materials, unspecified

41* Building materials—solid elements

This major group classifies materials which are primarily used in the construction of buildings and other structures.

Includes: bricks, blocks, structural stone; pipes, ducts, tubing; structural
metal materials; tiles, shingles; wood, lumber; other building materials

**Excludes:** building systems (64*); structural elements (65*); doors (6511); fences and gates (652*); roof (654*); skylights (6541); walls (656*); windows (653); structures (63*); office, plant, and residential buildings (62*); scaffolds, staging (634*)

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>410</td>
<td><strong>Building materials, unspecified</strong></td>
</tr>
<tr>
<td>411*</td>
<td><strong>Bricks, blocks, structural stone</strong></td>
</tr>
<tr>
<td></td>
<td>This source group classifies bricks, blocks, and structural stone materials which are primarily used in the construction of buildings, surfaces, and other structures.</td>
</tr>
<tr>
<td></td>
<td><strong>Includes:</strong> bricks and pavers (ornamental, decorative paving blocks); concrete blocks, cinder blocks; structural stones or slabs</td>
</tr>
<tr>
<td></td>
<td><strong>Excludes:</strong> metallic minerals (54*) nonmetallic minerals (55*); boulders (552); clay (553); rocks (556); countertops (2213)</td>
</tr>
<tr>
<td>4110</td>
<td><strong>Bricks, blocks, structural stone, unspecified</strong></td>
</tr>
<tr>
<td>4111</td>
<td><strong>Bricks and pavers</strong></td>
</tr>
<tr>
<td></td>
<td><em>Ornamental, decorative paving blocks</em></td>
</tr>
<tr>
<td>4112</td>
<td><strong>Concrete blocks, cinder blocks</strong></td>
</tr>
<tr>
<td>4113</td>
<td><strong>Stone, marble, granite slabs</strong></td>
</tr>
<tr>
<td>4114</td>
<td><strong>Structural stones or slabs, n.e.c.</strong></td>
</tr>
<tr>
<td></td>
<td><em>Preformed sidewalk slabs</em></td>
</tr>
<tr>
<td></td>
<td>Concrete slab</td>
</tr>
<tr>
<td>4119</td>
<td><strong>Bricks, blocks, structural stone, n.e.c.</strong></td>
</tr>
<tr>
<td>412*</td>
<td><strong>Pipes, ducts, tubing</strong></td>
</tr>
<tr>
<td></td>
<td>This source group classifies pipes, ducts, and tubing which are primarily used in buildings and other structures which require water, gas, electricity, or ventilation. <strong>Hoses and pressure lines are classified in major group 212 (Containers—pressurized).</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Includes:</strong> concrete or clay pipes and conduits; ducts; metal pipe, tubing (including stove pipe, flu lining); pipe fittings; plastic or rubber pipe and tubing including PVC pipes; tubulars</td>
</tr>
</tbody>
</table>

*- Asterisks denote a summary level code not assigned to individual cases.
Excludes: hoses (2122); pressure lines, except hoses (2124); flashing (4192); gutters, downspouts (4194); building systems (64*)

4120  Pipes, ducts, tubing, unspecified
4121  Concrete or clay pipes and conduits
4122  Ducts
4123  Metal pipes, tubing
       Tubulars
4124  Pipe fittings, collars
4125  Plastic, PVC, or rubber pipes and tubing
4129  Pipes, ducts, tubing, n.e.c.

413* Structural metal materials

This source group classifies structural products made from metal. Structural metal materials that are permanent elements of buildings and other structures are classified in Division 6 (Structures and Surfaces). If the material of an unattached beam is unknown, use code 4133.

Includes: angle irons; bars, rods, reinforcing bar (rebar); beams; grates; plates, metal panels; rails; sheet metal; steel channel

Excludes: flashing (4192); gutters, downspouts (4194); aluminum siding (4196); structural metal materials that are elements of buildings and other structures (6*); wooden beam (4153); beams attached to a building (6551)

4130  Structural metal materials, unspecified
4131  Angle irons
4132  Bars, rods, reinforcing bar (rebar)
4133  Beams—unattached metal
4134  Grates
4135  Metal plates, metal panels
4136  Rails—unattached metal
4137  Sheet metal
4139  Structural metal materials, n.e.c.
       Steel channel

414* Tiles, shingles

This source group classifies roof, ceiling, and floor tiles, as well as roof shingles. If an injury is produced by a bundle of shingles or tiles, use code 2131, bundles, bales. If the tiles and shingles are part of a working surface

*-Asterisks denote a summary level code not assigned to individual cases.
such as a roof, select the working surface, roof (654*) in this case, as the source.

*Includes*: ceiling tiles; drain, roof, and multipurpose ceramic or stone tiles; roof shingles; vinyl floor tiles

*Excludes*: tiles and shingles as part of a bundle (2131); tiles and shingles as part of a working (roof) surface (654*)

4140 Tiles, shingles, unspecified
4141 Ceiling tiles
4142 Ceramic or stone tiles—drain, roof, multipurpose
4143 Roof shingles, except tile
4144 Vinyl floor tiles
4149 Tiles, shingles, n.e.c.

415* Wood, lumber

This source group classifies individual pieces of wood and lumber materials that are primarily used in the construction of buildings and other structures. Dimensional lumber or plywood sheets that are part of a banded bundle should be classified in source group 2131 (Bundles, bales) as a variable restraint container. Plywood, paneling, and lumber that are known to be parts of buildings or other structures should be classified in Division 6 (Structures and Surfaces). If the composition of an unattached beam is unknown, use code 4133.

*Includes*: dimensional lumber (2x4's, etc.); plywood, wood paneling; particle, chip and flake board; wood pieces, trim pieces

*Excludes*: boards and sheets as part of a bundle (2131); wood shingles (4143); boards and wood sheets as part of a building or other structure (6*); metal beam (4133); beam attached to a building (6551)

4150 Wood, lumber, unspecified
4151 Dimensional lumber: 2x4, 2x3, etc.
4152 Plywood, wood paneling; particle, chip, flake board
4153 Wooden beams
4154 Wood pieces, trim pieces, wood scraps, n.e.c.
4155 Wooden stakes
4159 Wood, lumber, n.e.c.

419* Other building materials—solid elements

This source group classifies other building materials that are primarily

*Asterisks denote a summary level code not assigned to individual cases.*
used in protecting, sealing, and finishing building interiors and exteriors.

Includes: fencing and screening material, n.e.c.; flashing; glass, window panes; gutters, downspouts; sheet flooring; aluminum, vinyl siding; structural hardware, n.e.c.; wallboard, drywall, sheetrock

Excludes: paint, lacquer, shellac, varnish (186*); rolls of fencing, screening (2133); bricks, blocks, structural stone (411*); pipes, ducts, tubing (412*); structural metal materials (413*); tiles, shingles (414*); plywood, wood paneling, particle board (4152); tars, sealants, caulking, insulating material (46*); windshields, vehicle windows (484); mirrors (226*)

4190 Other building materials—solid elements, unspecified
4191 Fencing and screening material, n.e.c.
4192 Flashing

4193 Glass building materials
   Glass
   Glass blocks
   Sheet glass
   Window panes
   Glass slabs

4194 Gutters, downspouts
4195 Sheet flooring
4196 Siding—aluminum, vinyl

4197 Structural hardware, n.e.c.
   Door knobs
   Locks
   Latches

4198 Wallboard, drywall, sheetrock
4199 Building materials—solid elements, n.e.c.

42* Fasteners, connectors, ropes, ties

This major group classifies fasteners, connectors, and binders that are primarily used to hold materials together.

Includes: fasteners; ropes, ties; valves, nozzles; cable

Excludes: variable restraint containers (213*); electrical wire (4411); cable accompanied by winches (4423); handtool clamps (7142)

420 Fasteners, connectors, ropes, ties, unspecified

*-Asterisks denote a summary level code not assigned to individual cases.
421*  Fasteners

This source group classifies any of various devices that are used to attach, connect, or secure things together.

*Includes:* clamps, couplings; nails, brads, tacks; nuts, bolts, washers; rivets; screws; spikes; staples; tape

*Excludes:* handtool clamps (7142); nonpowered staplers (7195); powered staplers (7236); safety pins (7941)

4210  Fasteners, unspecified
4211  Clamps, couplings
4212  Nails, brads, tacks, nuts, bolts, washers
4213  Hinges
4214  Rivets
4215  Screws
4216  Spikes
4217  Staples
4219  Fasteners, n.e.c.
    *Tape*

422*  Ropes, ties, chains

This source group classifies ropes and ties of any composition that are used primarily for binding things together. Similar to other machine and equipment parts, items in this category are coded as the source only if they are separate or independent of the "whole" or if the event is overexertion.

*Includes:* bands; bungee cords (including bungee jumping cords); chains, n.e.c.; rope, twine, string; strapping; nonelectrical wire; cable

*Excludes:* fasteners (421*); electrical wire or cable (4411); cable accompanied by winches (4423); tape (4219)

4220  Ropes, ties, chains, unspecified
4221  Bands
4222  Bungee cords
4223  Chains, n.e.c.
4224  Rope, twine, string
    *Mooring line*  *Boat line*
4225  Strapping

*-Asterisks denote a summary level code not assigned to individual cases.*
**4226**  Wire, cables—nonelectrical  
**4229**  Ropes, ties, chains, n.e.c.

**423**  Valves, nozzles

This source group classifies valves which are primarily used for connecting pipe together, or are used to control the flow of liquids and gases through a system.

*Excludes:* hoses (2122); pressure lines (2124); pipes (412*)

**429**  Fasteners, connectors, ropes, ties, n.e.c.

**43**  Hoisting accessories

This major group classifies unattached hoisting accessories which are primarily used in conjunction with the hoisting machinery classified in source group 344 (Overhead hoists). These are primarily hoisting machinery attachments designed to grip, pick up, or carry heavy materials. If the accessory is known to be attached to a hoisting machine, the entire machine should be listed as the source.

*Includes:* fixtures, load indicators; hooks, shackles, magnets, clamshells, orange peels, grapples, anchors, cant hooks, grapnels, grappling irons, grappling hooks; slings

*Excludes:* logging skidders, logging cable and grapple skidders (3233); pulleys, sheaves, block and tackle, cable, winches (4423)

**430**  Hoisting accessories, unspecified  
**431**  Fixtures, load indicators  
**432**  Hooks, shackles, magnets, clamshells  
**433**  Slings  
**439**  Hoisting accessories, n.e.c.

**44**  Machine, tool, and electric parts

This major group classifies unattached machine, tool, electric, and vehicle parts and materials. In general, if a part classified in this group is attached to a machine, tool, or vehicle at the time of injury then that entire machine, tool, or vehicle should be listed as the source, unless the event is overexertion or the injury was inflicted by an electrical cord, overhead powerline, or floor of a vehicle in a non-transportation incident.

*Includes:* electric parts; machine and appliance parts; tool parts, accessories

*Excludes:* machinery (3*); handtools (7*); vehicles (8*)

*-Asterisks denote a summary level code not assigned to individual cases.*
Machine, tool, and electric parts, unspecified

Electric parts

This source group classifies electric parts which primarily carry or generate electrical currents for machinery, vehicles, and other sources which require electrical systems. These codes are used regardless of whether they are attached to the electrical grid or are separate. Motor vehicle engines are coded in source group 482 whether those engines are fueled by fossil fuel, biofuel, electric motors, or some other fuel source or combination of fuel sources.

Includes: electrical wiring or cable; generators; magnetic and electrolytic apparatus; motors; power lines, transformers, convertors; relays, rheostats, starters, controls; switchboards, switches, fuses, fused cutouts; batteries except vehicle; alternators, armatures, coils, distributors, spark plugs

Excludes: battery acid (1115); lamps, light bulbs (224*); nonvehicle fans (3312); nonelectrical wiring (4226); nonvehicle engines, turbines (4424); vehicle engines (4823); vehicle batteries (4821); vehicle fans (4824); electrical towers (6352)

Electric parts, unspecified

Electrical wiring—building

Generators

Batteries other than automotive

Motors other than vehicle

Power lines, transformers, convertors

Overhead power lines

Underground power lines

Relays, rheostats, starters, controls

Voltage dividers

Variable resistors

Switchboards, switches, fuses

Junction boxes

Power panels

Breaker boxes

Electrical boxes

Electrical panels, boards

Circuit boxes

Fuse boxes

Electrical outlets

Light switches

Power cords, electrical cords, extension cords

*-Asterisks denote a summary level code not assigned to individual cases.
SOURCE

4419  Electric parts, n.e.c.
     Magnetic and electrolytic apparatus
     Battery chargers
     Surge suppressors

442*  Machine and appliance parts

This source group classifies unattached parts which primarily function as the operating parts of machines and appliances. Included here is mechanical power transmission equipment for industrial machinery and aircraft. Vehicle parts and engines are classified in major group 48 (Vehicle and mobile equipment parts).

Electrical equipment for automobiles (except batteries) and other internal combustion engines, such as generators and alternators, is included in source group 441 (Electric parts).

This source group also includes machine parts which are used for molding, stamping, cutting, or shaping. Some items included here are punches, forming and stamping devices, dies, steel rule, diamond dies, and die-casting molds.

If a part is known or assumed to be attached to a machine when an injury occurs, then that entire machine should be listed as the source, unless the event is overexertion or the injury was inflicted by an electrical cord, overhead powerline, or floor of a vehicle in a non-transportation incident.

If a part is known to be unattached and independent of a machine, or if it is probable that a machine is not involved, then that specific part should be selected as the source.

Includes: dies, molds, patterns; chain, leather, fabric, and vee belt drives; drums, pulleys, sheaves (blocks), cable and winches; nonvehicle engines, turbines; friction clutches; gears; rollers

Excludes: roller conveyors (3412); molding machinery (353*); hoisting accessories (43*); vehicle engines (482*); cables not attached to winches (4226)

4420  Machine and appliance parts, unspecified
4421  Dies, molds, patterns
4422  Drives—chain, leather, fabric, vee belt

4423  Drums, pulleys, sheaves
     Block and tackle
     Crown block

*-Asterisks denote a summary level code not assigned to individual cases.
Traveling block          Winches and accompanying cable

4424 Engines, turbines, except vehicle
4425 Friction clutches
4426 Gears
4427 Rollers

4429 Machine and appliance parts, n.e.c.

Machine doors          Machine safety hatch

443* Tool parts, accessories

This source group classifies unattached tool parts and accessories.

If a part is known to be **attached** to a tool or machine when an injury occurs, then the entire tool or machine should be listed as the source, unless the event is overexertion or the injury was inflicted by an electrical cord, overhead powerline, or floor of a vehicle in a non-transportation incident.

If a part is known to be **unattached** and independent of a tool or machine, or if it is **unknown** whether a tool or machine is involved, then that specific part should be selected as the source.

*Includes:* unattached drill bits; unattached saw blades

*Excludes:* machinery (3*); stationary drills (3521); stationary sawing machinery (357*); nonpowered cutting handtools (712*); powered cutting handtools (722*)

4430 Tool parts, accessories, unspecified
4431 Drill bits—unattached
4432 Saw blades—unattached
4439 Tool parts, accessories, n.e.c.

449 Machine, tool, and electric parts, n.e.c.

45* Metal materials—nonstructural

This major group classifies nonstructural metal materials that are primarily formed to be further developed into structural metal products (e.g., reinforcing bar, sheet metal, but may also remain in a nonstructural condition as well (e.g., precious metal ingots, bars, etc.). Both hot and cooled slag are included in code 452.

*Includes:* nonstructural metal sheets, ingots, bars; molten or hot metals, slag

*Asterisks denote a summary level code not assigned to individual cases.*
Excludes: structural bars (4132); structural plates, panels (4135); structural sheet metal (4137)

450 Metal materials—nonstructural, unspecified
451 Metal sheets, ingots, bars—nonstructural
452 Molten or hot metals, slag
459 Metal materials—nonstructural, n.e.c.

46* Tars, sealants, caulking, insulating material

This major group classifies liquid and fiber materials which are primarily used to seal gaps or openings in roofs, walls, windows, and other fixtures, as well as provide insulation in buildings and other structures.

Includes: roofing asphalt, roofing tar; fiberglass insulation; foam caulking, foam insulation; joint compound, patching compounds; plastic, vinyl caulking; sealants, waterproofers, n.e.c.

Excludes: adhesives (181); paint (1862); paint thinner (1872); caulking guns (7199); polyurethane spray-on coatings (1751); paving asphalt, asphaltic cement (1644)

460 Tars, sealants, caulking, insulation, unspecified
461 Roofing asphalt, roofing tar
462 Fiberglass insulation
  Fibrous glass
463 Foam caulking, foam insulation
464 Joint compound, patching compound
465 Plastic, vinyl caulking
466 Sealants, waterproofers, n.e.c.
469 Tars, sealants, caulking, insulation, n.e.c.

47* Tarps and sheeting—nonmetal

This source group classifies nonmetal plastic, felt, and other fabric tarps and sheeting primarily used to protect the interiors and surfaces of structural elements such as roofs, ceilings, walls, and floors.

Includes: roofing paper, roofing felt; plastic tarps, ground cloths, fabric sheeting; cardboard and paperboard

Excludes: rolls of roofing paper (2133); tars, sealants, caulking, insulation (46)

470 Tarps and sheeting—nonmetal, unspecified

*-Asterisks denote a summary level code not assigned to individual cases.
471 Roofing paper, roofing felt
472 Tarps, plastic or fabric sheeting
473 Plastic wrap

474 Cardboard

Includes: paperboard, pasteboard, corrugated fiberboard, container board, poster board, boxboard

Excludes: cardboard boxes (2114)

479 Tarps and sheeting—nonmetal, n.e.c.

48* Vehicle and mobile equipment parts

This source group classifies unattached parts which primarily function as the operating parts of vehicles and mobile equipment.

Electrical equipment for automobiles (except batteries) and other internal combustion engines, such as generators and alternators, is included in source group 441 (Electric parts). Mechanical power transmission equipment (e.g., engines, gears) for industrial machinery and aircraft is classified in source group 442 (Machine and appliance parts).

If a part is known to be attached to a vehicle when an injury occurs, then the entire vehicle should be listed as the source, unless the event is overexertion or the injury was inflicted by an electrical cord, overhead powerline, or floor of a vehicle in a non-transportation incident.

If a part is known to be unattached and independent of a vehicle, or if it is unknown whether a vehicle is involved (for example, during vehicle assembly), then that specific part should be selected as the source.

Includes: tires, inner tubes, wheels; engine parts and accessories; trailers; vehicle windshields, vehicle windows

Excludes: lightbulbs (2242); nonvehicle glass (4193); electric parts (441*); nonvehicle engines (4424); nonvehicle windows (653); vehicles (8*); trailer trucks (8421)

480 Vehicle and mobile equipment parts, unspecified

481* Tires, inner tubes, wheels

This source group classifies unattached tires, inner tubes, and wheels used mostly in conjunction with vehicles and mobile equipment.

*-Asterisks denote a summary level code not assigned to individual cases.
Includes: bike tires; tire inner tubes; all other tires (except bike); wheels, tire rims

Excludes: pulleys (4423); vehicles (8*)

4810 Tires, inner tubes, wheels, unspecified
4811 Bike tires
4812 Tire inner tubes
4813 Tires, except bike
4814 Wheels, tire rims
4819 Tires, inner tubes, wheels, n.e.c.

482* Engine parts and accessories

This source group classifies unattached vehicle engine parts and accessories which are not connected to a vehicle when an injury occurs. All motor vehicle engines are coded here whether those engines are fueled by fossil fuel, biofuel, electric motors, or some combination (hybrid vehicles).

Includes: vehicle battery; belts, hoses; vehicle engine; vehicle motor; engine block; fan; muffler, exhaust; radiator; transmission

Excludes: garden hoses (2122); house fans (3312); nonvehicle batteries (4413); nonvehicle transmission systems (442*); vehicles (8*); motor, generator, alternator (441*)

4820 Engine parts and accessories, unspecified
4821 Battery—vehicle
4822 Belts, hoses—vehicle
4823 Engine, engine block, motor—vehicle
4824 Fan—vehicle
4825 Muffler, exhaust
4826 Radiator—vehicle
4827 Transmission—vehicle
4829 Engine parts and accessories, n.e.c.

483 Trailers

This source group classifies trailers which are not connected to a vehicle when an injury occurs.

Includes: unattached car and truck trailers, feed wagons

Excludes: semitrailers, trailer trucks (8421); motor homes, RVs (8417); mobile or prefabricated homes (6254)

*Asterisks denote a summary level code not assigned to individual cases.*
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>484</td>
<td>Windshields, vehicle windows</td>
</tr>
<tr>
<td></td>
<td>This source group classifies vehicle windshields and windows that are not installed on a vehicle when an injury occurs.</td>
</tr>
<tr>
<td></td>
<td>Includes: unattached vehicle windshields, windows</td>
</tr>
<tr>
<td></td>
<td>Excludes: nonvehicle glass (4193); nonvehicle windows (653)</td>
</tr>
<tr>
<td>485*</td>
<td>Vehicle doors, liftgates, tailgates</td>
</tr>
<tr>
<td>4850</td>
<td>Vehicle doors, liftgates, tailgates, unspecified</td>
</tr>
<tr>
<td>4851</td>
<td>Vehicle passenger doors</td>
</tr>
<tr>
<td>4852</td>
<td>Liftgates</td>
</tr>
<tr>
<td>4853</td>
<td>Tailgates</td>
</tr>
<tr>
<td>489</td>
<td>Vehicle and mobile equipment parts, n.e.c.</td>
</tr>
<tr>
<td></td>
<td>Airbags, Forklift tines, Booms, Headlights, Car seats</td>
</tr>
<tr>
<td>49*</td>
<td>Other parts and materials</td>
</tr>
<tr>
<td>490</td>
<td>Other parts and materials, unspecified</td>
</tr>
<tr>
<td>491*</td>
<td>Caps, lids, covers</td>
</tr>
<tr>
<td></td>
<td>Caps, lids, and covers that are separated from their containers or other structures and cause injury are coded here. For example, if the cap from a pressurized pipe, hose, valve, or other container comes off and strikes or cuts an employee, the cap would be coded as the source. If the lid is still attached to the container, such as being struck by a dumpster lid, code the container. Caps worn on a person’s head are coded 9113.</td>
</tr>
<tr>
<td>4910</td>
<td>Caps, lids, covers, unspecified</td>
</tr>
<tr>
<td>4911</td>
<td>Container caps, lids, covers</td>
</tr>
<tr>
<td></td>
<td>Includes: can lid, bottle cap, kettle lid, barrel lid, drum lid, tank end cap, gas cylinder cap, jar cover</td>
</tr>
<tr>
<td>4912</td>
<td>Manhole and cistern covers</td>
</tr>
<tr>
<td>4919</td>
<td>Caps, lids, covers, n.e.c.</td>
</tr>
</tbody>
</table>
499  Parts and materials, n.e.c.
5*  PERSONS, PLANTS, ANIMALS, AND MINERALS

This division classifies living organisms (including infectious and parasitic agents) and their products, as well as raw metallic and nonmetallic minerals. Work-related HIV infections are classified in source group 533 (Viruses).

Includes: animals and animal products; fresh or processed food products; infectious and parasitic agents; metallic minerals; nonmetallic minerals (except fuel); person—i injured or ill worker; person—other than injured or ill worker; bodily fluids; unprocessed plants, trees, vegetation

Excludes: chemicals (1*); metallic particulates, trace elements, dusts, powders, fumes (14*); structural and nonstructural metal materials (4*); lumber (415*)

50  Persons, plants, animals, and minerals, unspecified

51*  Animals

This major group classifies living animals (except humans).

Includes: birds and fowl; fish, shellfish; insects, arachnids, mites (spiders, bees, ticks, scorpions); mammals (except humans); reptiles

Excludes: food products (522*); nonfood animal products (521*); humans, persons (56* and 57*); animal manure (5216); animal carcass, roadkill (5215)

510  Animals, unspecified

511*  Birds and fowl

This source group classifies birds and fowl in a living or natural, unprocessed condition.

Includes: birds (except fowl); chickens; ducks; geese; turkeys

Excludes: bats (5159), processed poultry or other poultry products (5227)

5110  Birds and fowl, unspecified

5111  Birds, except fowl

5112  Chickens

Includes: roosters

*-Asterisks denote a summary level code not assigned to individual cases.
SOURCE

5113  Ducks
5114  Geese
5115  Turkeys
5119  Birds and fowl, n.e.c.

512  Fish, shellfish

Excludes: shellfish food products (5227)

513*  Insects, arachnids, mites

Includes: ants, bees, scorpions, spiders, ticks, wasps, lice, fleas, bedbugs, flies, mosquitoes, hornets

5130  Insects, arachnids, mites, unspecified
5131  Bees, hornets, wasps
5132  Spiders, scorpions

5133  Ants

Includes: fire ants

5134  Lice, fleas, bedbugs
5135  Mosquitoes

5136  Ticks and mites

Includes: scabies, chiggers

5138  Multiple insects, arachnids, mites

5139  Insects, arachnids, mites, n.e.c.

Includes: beetles, flies

514*  Reptiles

5140  Reptiles, unspecified
5141  Venomous snakes
5142  Nonvenomous snakes
5149  Reptiles, n.e.c.

Includes: alligators, crocodiles, lizards, turtles

515*  Mammals, except humans

This source group classifies all mammals (except humans) in a living or

*-Asterisks denote a summary level code not assigned to individual cases.
natural intact condition. Persons are classified in major groups 56 and 57.

*Includes:* cats and other domestic felines; domestic dogs; cattle and other bovine (cows, buffalo, bison); horses and other equine (ponies, mules, donkeys, zebras); rodents (rats, mice, squirrels); sheep, goats and other caprids (pronghorn antelope, lambs); swine and other porcine (pigs, boars, hogs); deer and other cervids (elk, moose, caribou, reindeer)

*Excludes:* nonfood animal products (521*); processed food products (522*); animal carcass, roadkill (5215)

5150 Mammals, unspecified

5151 Cats, felines—domestic

*Includes:* house cats, alley cats, kittens, feral cats

*Excludes:* tigers, leopards, lions (5159)

5152 Dogs, canines—domestic

*Includes:* hunting dogs, sled dogs, police dogs

*Excludes:* wolves (5159)

5153 Cattle and other bovines

*Includes:* beef and dairy cattle, buffalo, bison, yak, cows, calves, bulls

*Excludes:* beef food products (5227)

5154 Horses and other equines

*Includes:* horses, ponies, mules, donkeys, zebras

5155 Rodents

*Includes:* rats, mice, squirrels

5156 Sheep, goats, and other caprids

*Includes:* sheep, goats, pronghorn antelope, lambs

5157 Swine and other porcines

*-Asterisks denote a summary level code not assigned to individual cases.*
Includes: pigs, boars, hogs

5158 Deer and other cervids
Includes: elk, moose, caribou, reindeer

5159 Mammals, n.e.c.
Includes: lions, tigers, leopards, bears, giraffes, elephants, wolves, monkeys, primates, bats, rabbits, raccoons

519 Animals, n.e.c.

52* Animal and plant byproducts

520 Animal and plant byproducts, unspecified

521* Animal products, nonfood
This source group classifies raw or unprocessed nonfood animal products
Includes: bones (including fossilized bones), shells; feathers; fur, wool; leather hides; animal carcasses and roadkill; animal waste products

Excludes: bone meal, ground oyster shells, dried animal blood used as fertilizer or plant food (151); food products (522*); apparel and textiles (91*)

5210 Animal products—nonfood, unspecified
5211 Bones, shells
5212 Feathers
5213 Fur, wool
5214 Hides—leather
5215 Animal carcass, roadkill

5216 Animal waste products
Includes: manure

5219 Animal products—nonfood, n.e.c.
Includes: animal fluids and blood

522* Food products
This source group classifies fresh or processed foods obtained from

*—Asterisks denote a summary level code not assigned to individual cases.
animals or plants. Use these codes if worker is burned by hot food, is
struck by or slips on food, or becomes ill due to an allergic reaction or
food poisoning from consumed food or contact with food. If a worker is
injured carrying large cases or bags of food, code the box or bag.

Includes: bakery products, candy, confections, snack foods;
beverages, n.e.c.; dairy products; fruits, nuts, vegetables;
grains, cereals, grain mill products; meat, poultry; seafood;
multiple foods or groceries; fats, oils, cooking greases;
sugar, cocoa, chocolate

Excludes: cash grain crops (581), field crops (582), grain dust (5891),
flavorings (1893)

5220  Food products, unspecified

5221  Fats, oils, cooking greases

Includes: butter

5222  Soups, sauces, gravies

Includes: hot soups, stocks, broths, tomato sauces, hot sauces

5223  Dairy products

Includes: milk, yogurt, cheese

5224  Beverages, n.e.c.

Includes: coffee, juices, tea, hot chocolate

5225  Fruits, nuts, vegetables

Includes: peanuts, peanut products

5226  Grains, cereals, grain mill products

Includes: hot cereals, corn

5227  Meat, poultry, seafood

Includes: meat and meat products; beef carcasses; chicken—
meat; poultry—meat

5228  Multiple foods or groceries

*-Asterisks denote a summary level code not assigned to individual cases.
529  Food products, n.e.c.  

*Includes: bakery products, candy, pet food, snack foods, sugar, cocoa, chocolate

529  Animal and plant byproducts, n.e.c.

53*  Infectious and parasitic agents

This major group classifies organic (living) infectious and parasitic agents including bacteria, fungi (including mold and mildew), and viruses, including work-related HIV infections.

*Includes: bacteria; fungi; viruses (including HIV)

530  Infectious and parasitic agents, unspecified

531  Bacteria

*Includes: spirochetes

532*  Fungi

5320  Fungi, unspecified

5321  Mold, mildew

5329  Fungi, n.e.c.

533  Viruses

539  Infectious and parasitic agents, n.e.c.

54*  Metallic minerals

This major group classifies raw, natural metallic minerals (or combination of minerals) from which a metal (or metals) or radiation can be extracted.

*Includes: nonradiating metal ores; natural and processed radiating metals

*Excludes: metallic particulates, trace elements, dusts, powders, fumes (14*); structural and nonstructural metal materials (4*); nonmetallic minerals, except fuel (55*)

540  Metallic minerals, unspecified

541  Metal ores—nonradiating

This source group classifies nonradiating metal ores.

*-Asterisks denote a summary level code not assigned to individual cases.
Includes: copper ore; gold, platinum, silver ore; iron ore; lead ore; zinc ore; mercury ore; nickel ore; tin ore

Excludes: molten metal (452)

542* Radiating metals, natural and processed

This source group includes substances which emit energy in the form of rays of light, heat, alpha, beta, gamma, etc. This code would be used only in cases of radiation injuries. Reactor fuel or waste can be either uranium or plutonium and, therefore, should be classified in 5420 (unspecified) unless the type is specified.

Includes: plutonium; radium; uranium

Excludes: nonradiating metal ores (541)

5420 Radiating metals, natural and processed, unspecified
5421 Plutonium
5422 Radium
5423 Uranium
5429 Radiating metals, natural and processed, n.e.c.

549 Metallic minerals, n.e.c.

55* Nonmetallic minerals, except fuel

This major group classifies natural and processed products of mining, excavating, landslides, etc., except fuel. Unspecified dirt or dust particles are coded in 9411.

Includes: asbestos; boulders; natural and processed clay; dirt, earth; mud; rocks, crushed stone; sand, gravel; silica

Excludes: dry cement, mortar mix (1121); fuel (16); ditches, channels, trenches, excavations (611); mines, caves, tunnels (612*); unspecified dirt or dust particles (9411)

550 Nonmetallic minerals, except fuel, unspecified

551 Asbestos

This source group classifies asbestos minerals: rock-forming minerals that are separated into long, thread-like fibers.

Includes: asbestos dust

552 Boulders

*-Asterisks denote a summary level code not assigned to individual cases.
This source group classifies large masses of stone detached from the mass as they are primarily found in natural settings.

553 Clay—natural and processed

This source group classifies all types of natural and processed clay: a fine-grained earth used in the manufacture of bricks, pipes, pottery, and other ceramics.

554 Dirt, earth

This source group classifies all types of dirt, soil, and earth not specified elsewhere.

555 Mud

556 Rocks, crushed stone

This source group classifies hard, nonmetallic mineral matter not specified elsewhere as may be found in quarries or in natural settings. Gravel is classified in 557.

557 Sand, gravel

This group includes all types of sand and gravel used for a variety of purposes.

558 Silica

This group classifies hard, glassy mineral (silica) found in a variety of forms such as quartz, sand, and opal.

Includes: silica dust

559 Nonmetallic minerals, except fuel, n.e.c.

Includes: vermiculite

56* Person— injured or ill worker

This major group classifies bodily conditions and self-induced bodily motion injuries.

Includes: bodily conditions of injured, ill worker; bodily motion or position of injured, ill worker

Excludes: injuries or illnesses inflicted by bodily fluids, substances, or other

*-Asterisks denote a summary level code not assigned to individual cases.
persons (57*)

560 Person—injured or ill worker, unspecified

561 Bodily conditions of injured, ill worker

This source group classifies physical, mental, or emotional conditions—such as unexplained faintings, heart attacks not attributed to other sources, and work-related stress—which result in nervous disorders, symptoms or illnesses. This code must be used when Event or exposure is 74, Bodily conditions, n.e.c.

562 Bodily motion or position of injured, ill worker

This source group classifies stress or strains induced by a free movement of the body or its parts, with no impact involved. This group is also used for coding awkward or sustained positions of the injured worker as well as the motion of the person for motion sickness cases. This code must be used when the Event or exposure is coded as Repetitive motions involving microtasks (72*) or other exertions or bodily reactions (73*).

569 Person—injured or ill worker, n.e.c.

This code is used as the source for suicides and other intentional self-inflicted injuries.

57* Person—other than injured or ill worker

This major group classifies various types of persons other than the injured or ill worker. In general, people are classified according to their relationship with the injured or ill worker or with the establishment for which the employee works.

Spouses and domestic partners (5711) include current and former spouses, common law spouses, and current and former boyfriends and girlfriends even if not known whether living together. Other friends of the injured or ill worker are coded as Acquaintances (576). If a person can be classified in more than one category (571-577, 579), choose the first code in the list describing the person’s relationship with the injured worker or establishment. For example, if a co-worker robs a business, choose co-worker (5721) because it is listed before robber. However, if a police officer is shot while trying to apprehend a person who had robbed a store, use code 5773 Suspect not yet apprehended, since the robber was not trying to rob the police officer.

570 Person, other than injured or ill worker, unspecified

571* Relative or domestic partner of injured or ill worker
5710  Relative or domestic partner of injured or ill worker, unspecified

5711  Spouse or domestic partner of injured or ill worker

*Includes:* spouse, domestic partner, ex-spouse, estranged spouse, husband, ex-husband, wife, ex-wife, boyfriend, ex-boyfriend, girlfriend, ex-girlfriend, estranged boyfriend or girlfriend, common law spouse

*Excludes:* other room- or house-mates (576), relative other than spouse (5712 or 5719)

5712  Immediate family member other than spouse

*Includes:* son, daughter, father, mother, brother, sister, parent

5719  Relative or domestic partner of injured or ill worker, n.e.c.

*Includes:* uncle, aunt, cousin, nephew, niece, grandson, granddaughter, in-laws, grandparent

572*  Co-worker or work associate of injured or ill worker

This group includes an employee or past employee of the business, as well as a contractor working as a temporary employee on the same site. Co-workers are defined as people who know or directly work with the injured or ill worker, or have done so in the past. Work associates are individuals who may work (or have previously worked) for the same establishment, in the same building, or as a contractor, for example. Work associates are less likely to know the injured worker personally or work with him or her on a day-to-day basis. For example, for a nurse working in a hospital, doctors, nurses, supervisory nurses, technicians, and others who work directly with that nurse are co-workers. Other employees of the hospital, such as security, food service, or administrative personnel, are more likely to be work associates. When an athlete is injured during a sporting event or training exercise, code 5721, Co-worker, if the injury is from contact with a team member or fellow trainee. If the injury is from contact with someone from another team or an opponent as in a boxing match or wrestling meet, code 5723, Work associate. Other business competitors are coded in 5729, Co-worker or work associate, n.e.c.

5720  Co-worker or work associate of injured or ill worker, unspecified

5721  Co-worker

*-Asterisks denote a summary level code not assigned to individual cases.*
5722  Former co-worker
5723  Work associate
5724  Former work associate
5729  Co-worker or work associate, n.e.c.

Includes:  business competitors

573  Student

This category includes students in primary or secondary school, as well as college, university, or daycare students. Students in other types of training programs, such as martial arts or flight training, would be classified as Other client or customer (575).

574  Patient

This code includes a patient in any type of healthcare facility, including doctor’s and dentist’s offices, hospitals, nursing homes, and mental health facilities. Patients cared for in their own homes and patients of emergency medical services are also included.

Mental health patients who have committed a crime and are in a correctional facility are coded as 5772. Residents of halfway houses and assisted living facilities are coded as Other clients or customers (575) unless the injured or ill employee was working in a health care capacity when injured by the patient.

575  Other client or customer

This code includes persons with a legitimate relationship with the business and who are being served by the business.

Includes:  bar patron, tenant, parolee, resident of halfway house or assisted living facility

Excludes:  health care patients (574), inmates of correctional facilities (5772), robbers posing as customers (5771)

576  Acquaintance

This code includes all other persons known to the injured worker.

Includes:  friend, neighbor, roommate other than domestic partner, member of same gang

Excludes:  family member (571*), client (575), boyfriend or girlfriend (5711), patient (574), co-worker (572*)

*-Asterisks denote a summary level code not assigned to individual cases.
577* Assailant, suspect, inmate

This group includes persons who have no legitimate relationship to the business of the injured worker or its employees and includes perpetrators of various types of robbery or theft.

5770 Assailant, suspect, unspecified

5771 Robber

If the worker was injured while he, she, or the establishment was being robbed, choose 5771. If the motive or the motive was unclear, choose 5770.

Includes: robber, shoplifter, mugger, carjacker

Excludes: co-workers (5721); former co-workers (5722); inmates or detainees in custody (5772); robbery suspect injuring responding police officer (5773)

5772 Inmate or detainee in custody

This category includes inmates of correctional institutions and suspects that have been apprehended or are being detained by police or security personnel.

Includes: mental health patient held in correctional facility, resident of correctional facility

Excludes: mental health patient held in other than correctional facility (574); residents of halfway houses (575)

5773 Suspect not yet apprehended

Choose this code when the worker is injured by someone who is suspected of a crime but not yet apprehended—such as when a police officer is shot while responding to a domestic violence call or in response to a shooting or robbery. Persons being apprehended or stopped for traffic violations and who have committed no other crimes are coded in 5779.

5779 Assailant, suspect, n.e.c.

Choose this code when a worker is injured by a person who is committing a crime, such as an injury during a sexual assault, hate crime, shooting spree, or traffic violation, and no other code is appropriate.

*Asterisks denote a summary level code not assigned to individual cases.
578* Bodily fluids or substances of other than injured or ill person

5780 Bodily fluids or substances of other than injured or ill person, unspecified
5781 Blood of other than injured or ill person
5782 Urine or feces of other than injured or ill person
5783 Mucus or saliva of other than injured or ill person
5788 Combination of bodily fluids or substances of other than injured or ill person
5789 Bodily fluids or substances of other than injured or ill person, n.e.c.

579 Person, other than injured or ill worker, n.e.c.

58* Plants, trees, vegetation—not processed

This major group classifies plants, trees, and vegetation in a natural or unprocessed condition. Source group 587, trees, logs, limbs, includes cut trees with or without limbs as well as tree branches. Thorns are coded according to the relevant plant. Pollen is coded 5899.

Includes: cash grain crops (including corn, rice, soybeans, wheat); field crops (including cotton, potatoes, sugarcane, tobacco); flowers; houseplants; poison ivy, oak, sumac; reeds, shrubs, marshes, grasses; trees, logs, limbs; vegetable plants

Excludes: lumber (415); processed wood pieces (4154); fresh or processed food products (522)

580 Plants, trees, vegetation, unspecified
581 Cash grain crops
582 Field crops

Includes: vegetable plants

583 Flowers
584 Houseplants

585* Poison ivy, oak, sumac, Rhus

5850 Poison ivy, oak, sumac, Rhus, unspecified

-Asterisks denote a summary level code not assigned to individual cases.
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5851</td>
<td>Poison ivy</td>
</tr>
<tr>
<td>5852</td>
<td>Poison oak</td>
</tr>
<tr>
<td>5853</td>
<td>Poison sumac</td>
</tr>
<tr>
<td>5859</td>
<td>Poison ivy, oak, sumac, Rhus, n.e.c.</td>
</tr>
<tr>
<td>586</td>
<td>Shrubs, grasses</td>
</tr>
<tr>
<td></td>
<td>*Includes: reeds, marsh plants</td>
</tr>
<tr>
<td>587*</td>
<td>Trees, logs, limbs</td>
</tr>
<tr>
<td>5870</td>
<td>Trees, logs, limbs, unspecified</td>
</tr>
<tr>
<td>5871</td>
<td>Trees</td>
</tr>
<tr>
<td></td>
<td>*Includes: attached palm fronds, attached tree limbs or branches</td>
</tr>
<tr>
<td>5872</td>
<td>Logs</td>
</tr>
<tr>
<td>5873</td>
<td>Limbs, branches—unattached</td>
</tr>
<tr>
<td></td>
<td>*Includes: unattached palm fronds, unattached tree or shrub branches</td>
</tr>
<tr>
<td>5879</td>
<td>Trees, logs, limbs, n.e.c.</td>
</tr>
<tr>
<td></td>
<td>*Tree stumps</td>
</tr>
<tr>
<td>589*</td>
<td>Other plants, trees, vegetation—not processed</td>
</tr>
<tr>
<td>5891</td>
<td>Grain dust</td>
</tr>
<tr>
<td>5899</td>
<td>Plants, trees, vegetation—not processed, n.e.c.</td>
</tr>
<tr>
<td></td>
<td>*Plant burrs, Pollen</td>
</tr>
<tr>
<td>59</td>
<td>Persons, plants, animals, and minerals, n.e.c.</td>
</tr>
</tbody>
</table>
|      | *This code classifies plants, animals, and minerals not elsewhere classified.

*Asterisks denote a summary level code not assigned to individual cases.*
6*  STRUCTURES AND SURFACES

This division classifies all types of structures and structural elements including building structures and systems, bridges, stadia, tunnels, towers, and dams as well as confined spaces, structural elements, and natural structures. Also classified here are walking, working, and road surfaces. Structural elements, including doors, windows, roofs, and walls, are classified in major group 65 (Other structural elements).

If the material identified as the source of an injury is the general floor surface in a building or on the ground, then the appropriate structure or surface in this division should be selected as the source.

If the material identified as the source of an injury is an independent, unattached element, then that specific element should be listed as the source, Part or material, Division 4. Structural elements such as prefabricated roof trusses and windows, structures in their own right, should be listed as the source regardless of whether they are independent or part of a building. Any ladder that is a fixed or temporary part of any structure is classified in major group 74 (Ladders).

Includes:  building systems; floors, walkways, ground surfaces; other structural elements; structures

Excludes:  bricks, blocks, structural stone (411*); unattached structural metals (413*); unattached building materials (41*); ladders (74*)

60  Structures and surfaces, unspecified

61*  Confined spaces

This major group classifies structures that are considered confined because their configurations hinder the activities of employees who must enter, work in, and exit them. A confined space has limited or restricted means for entry or exit, is not designed for continuous employee occupancy, and there is increased risk of exposure to serious physical injury from hazards such as entrapment, engulfment and hazardous atmospheric conditions. A workspace is included if it contains, or has the potential to contain a hazardous atmosphere; contains a material that has the potential to engulf an entrant; or has walls that converge inward or floors that slope downward and taper in a smaller area which could trap or asphyxiate an entrant. Spaces coded in this section may include spaces not considered as confined according to OSHA.

These codes would typically be used as the secondary source for incidents involving confined spaces.

Includes:  ditches, channels, trenches, underground vaults, tanks, storage

*Asterisks denote a summary level code not assigned to individual cases.
bins, manholes, pits, silos, process vessels, pipelines, underground mines and tunnels, tanker truck interiors, confined spaces on ships

Excludes: building exteriors (62*), passenger vehicles (841*)

610 Confined spaces, unspecified

611 Ditches, channels, trenches, excavations

This code includes confined spaces that are open vertically but confined on the sides by trench walls, for example. Spaces that are confined vertically should be in source group 612 (Underground mines, caves, tunnels).

Excludes: non-confined culverts and ditches (6676)

612* Underground mines, caves, tunnels

This source group classifies underground mines, caves, sewers and storm drains, and tunnels (including subway, train, sewer, and pedestrian tunnels).

Includes: mines, mine tunnels (6121); pedestrian tunnels (6124); sewers, manholes, storm drains, and culverts (6122); subway and train tunnels (6123)

Excludes: ditches, channels, trenches, excavations (611); bridges (631); above-ground mines, strip mines (636); non-confined culverts (6676)

6120 Mines, caves, tunnels, unspecified
6121 Underground mines, mine tunnels
6122 Sewers, manholes, storm drains
6123 Subway and train tunnels
6124 Underground pedestrian walkways
6129 Mines, caves, tunnels, n.e.c.

613 Wells, cisterns
614 Pipeline interiors
615 Manure pits
616 Spray, paint booths

617* Tank, bin, vat interiors

Excludes: tanks and hoppers on vehicles (618*)

6170 Tank, bin, vat interiors, unspecified

*-Asterisks denote a summary level code not assigned to individual cases.
6171 Silo, grain bin interiors
6172 Grain elevator interiors
6173 Septic tank or water tank interiors
6174 Trash bin or dumpster interiors
6175 Trough interiors
6176 Oil storage tank interiors
6177 Hopper interiors
6179 Tank, bin, vat interiors, n.e.c.

Includes: Boiler interior (confined space)

618* Confined spaces on vehicles
   6180 Confined spaces on vehicles, unspecified
   6181 Confined spaces on ships, water vessels
   6182 Tanker truck interiors
   6189 Confined spaces on vehicles, n.e.c.

619* Other confined spaces
   6191 Crawl spaces
   6199 Confined spaces, n.e.c.

62* Buildings—office, plant, residential

This source group classifies office, plant, and residential buildings including factories, warehouses, sheds, barns, boat houses, apartments, skyscrapers, gas stations, schools, theaters, auditoriums, etc. Sports facilities are classified in 632, Grandstands, stadia. These codes are to be used for structure collapses (both caught in or fall resulting from), fires and explosions, and transportation collisions involving structures. Generally falls and jumps from buildings would be coded according to the structural element the worker fell or jumped from (roof, balcony, structural steel, elevator shaft). Exceptions are offshore oil platforms, silos, and grain bins. Areas within these structures that conform to the definition of a confined space are coded in 61*.

620 Building, unspecified

621* Industrial buildings

6210 Industrial building, unspecified
6211 Warehouse
6212 Factory, manufacturing plant
6213 Offshore oil platform
6219 Industrial building, n.e.c.

622* Agricultural buildings

*-Asterisks denote a summary level code not assigned to individual cases.
6220  Agricultural building, unspecified
6221  Barn

6222  Silo exterior

Excludes:  interior of silo (6171)

6223  Grain bin exterior

Excludes:  interior of grain bin (6171)

6229  Agricultural building, n.e.c.

623*  Commercial and retail buildings

6230  Commercial or retail building, unspecified
6231  Restaurant, bar
6232  Retail establishment, store, mall
6233  Hotel, motel, lodging establishment
6239  Commercial or retail building, n.e.c.

624*  Medical buildings, except institutional residential

Includes:  medical office buildings, doctor’s and dentist offices in nonmedical facilities

6240  Medical building, except institutional residential, unspecified
6241  Hospital
6242  Clinic or doctor’s office
6243  Laboratory
6249  Medical building, except institutional residential, n.e.c.

625*  Residential buildings, except institutional

Apartment buildings that are six or more stories or 75 or more feet high should be coded as 6252, high-rise apartment building, condominium. Apartment buildings that are five or fewer stories and less than 75 feet or whose height is unknown are coded as 6253, low or mid-rise apartment building, condominium.

6250  Residential building, except institutional, unspecified
6251  House, townhouse, rowhouse
6252  High-rise apartment building, condominium
6253  Low or mid-rise apartment building, condominium

Includes:  garden style apartment building of unknown height

*Asterisks denote a summary level code not assigned to individual cases.
6254 Mobile or prefabricated home

*Includes:* trailer home

*Excludes:* recreational vehicles—RVs (8417)

6259 Residential building, except institutional, n.e.c.

626* Other public and office buildings

Buildings that are six or more stories or 75 or more feet high should be coded as 6261. Buildings that are five or fewer stories and less than 75 feet are coded as 6262.

6260 Other public or office building, unspecified

*Excludes:* medical buildings (624*)

6261 Skyscraper, high-rise—except government

*Excludes:* medical buildings (624*)

6262 Low or mid-rise office building—except government

*Includes:* private school

*Excludes:* medical buildings (624*)

6263 Government building, post office

*Includes:* public school, court house, municipal office building

*Excludes:* prisons, jails (628); hospitals (624)

6269 Public or office building, n.e.c.

627 Institutionalized residential building, except jails
628 Prisons, jails
629 Building, n.e.c.

63* Structures other than buildings

This major group classifies any type of constructed structures (e.g., buildings, stadia, tunnels, pools, scaffolding, towers), including structures over land and water such as dams and bridges. Specific structural surfaces (floors, stairs) and elements (window, door, roof) which produce an injury are classified in major

* Asterisks denote a summary level code not assigned to individual cases.
groups 66 (Floors, walkways, ground surfaces) and 65 (Other structural elements).

*Includes:* bridges, dams, locks; grandstands, stadia; pools; scaffolds, staging; towers, poles; guardrails, road dividers; hydrants; road signs; railroad tracks; porches, balconies, patios

*Excludes:* floors, walkways, and ground surfaces (66*); structural elements including doors, roofs, walls, windows, etc. (65*); silos interiors (6171); silo exterior (6222); office, plant, and residential buildings (62*); wells (613); confined spaces (61*)

630 Structures other than buildings, unspecified

631 Bridges, dams, locks

This code classifies all types of structural bridges, dams, and locks.

*Includes:* foot and swinging bridges over land or water; bridges and overpass abutments

632 Grandstands, stadia

This code classifies all grandstands, sports arenas, and stadia, including covered or enclosed facilities.

*Includes:* bleachers

*Excludes:* scaffolds and staging (634*); buildings (62*); athletic fields (663*)

633 Pools

This code classifies above and below ground swimming pools and man-made ponds.

634* Scaffolds, staging

This source group classifies all types of scaffolds and staging used inside or outside buildings, stadiums, or amphitheaters.

*Includes:* improvised staging; self-supporting staging; staging supported by structure or other means; catwalks; suspended staging

*Excludes:* aerial lifts and scissor lifts (3467); forklifts (8621)

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*-Asterisks denote a summary level code not assigned to individual cases.
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6340</td>
<td>Scaffolds—staging, unspecified</td>
</tr>
<tr>
<td>6341</td>
<td>Scaffolds—improvised staging</td>
</tr>
<tr>
<td>6342</td>
<td>Scaffolds—self-supporting staging</td>
</tr>
<tr>
<td></td>
<td><em>Wood trestle staging</em></td>
</tr>
<tr>
<td></td>
<td><em>Pole scaffolds</em></td>
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<tr>
<td></td>
<td><em>Ladder jack scaffolds</em></td>
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<td></td>
<td><em>Frame scaffolds</em></td>
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<tr>
<td></td>
<td><em>Mobile scaffolds</em></td>
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<tr>
<td></td>
<td><em>Extension trestle staging</em></td>
</tr>
<tr>
<td></td>
<td><em>Pole metal scaffolds</em></td>
</tr>
<tr>
<td></td>
<td><em>Pump jack scaffolds</em></td>
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<tr>
<td></td>
<td><em>Tube and coupler scaffolds</em></td>
</tr>
<tr>
<td>6343</td>
<td>Scaffolds—staging supported by structure or other means</td>
</tr>
<tr>
<td></td>
<td><em>Horse scaffolds</em></td>
</tr>
<tr>
<td></td>
<td><em>Saw horse supported work platform</em></td>
</tr>
<tr>
<td>6344</td>
<td>Scaffolds—suspended staging</td>
</tr>
<tr>
<td></td>
<td><em>Boatswain’s chair</em></td>
</tr>
<tr>
<td></td>
<td><em>Catenary suspended scaffolds</em></td>
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<td></td>
<td><em>Suspension scaffolds</em></td>
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<tr>
<td></td>
<td><em>Painters' suspended scaffolds</em></td>
</tr>
<tr>
<td></td>
<td><em>Single-point adjustable scaffolds</em></td>
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<td></td>
<td><em>Double-point adjustable scaffolds</em></td>
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<tr>
<td></td>
<td><em>Multiple-point adjustable scaffolds</em></td>
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<tr>
<td></td>
<td><em>Needle beam scaffolds</em></td>
</tr>
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<td></td>
<td><em>Interior hung suspended scaffolds</em></td>
</tr>
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<td></td>
<td><em>Float ship suspended scaffolds</em></td>
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<td></td>
<td><em>Multi-level suspended scaffolds</em></td>
</tr>
<tr>
<td>6345</td>
<td>Machine platforms</td>
</tr>
<tr>
<td>6346</td>
<td>Catwalks</td>
</tr>
<tr>
<td>6349</td>
<td>Scaffolds—staging, n.e.c.</td>
</tr>
<tr>
<td>6350</td>
<td>Towers, poles, unspecified</td>
</tr>
<tr>
<td>6351</td>
<td>Telecommunications and cell phone towers</td>
</tr>
<tr>
<td>6352</td>
<td>Utility and telephone poles</td>
</tr>
<tr>
<td></td>
<td><em>Excludes: power lines</em></td>
</tr>
<tr>
<td></td>
<td><em>(4415); telecommunications towers</em> (6351)</td>
</tr>
<tr>
<td>6353</td>
<td>Lamp posts, street lights</td>
</tr>
<tr>
<td>6354</td>
<td>Windmills, wind turbines</td>
</tr>
</tbody>
</table>

*Asterisks denote a summary level code not assigned to individual cases.*
6359  Towers, poles, n.e.c.

Includes: fire and ranger towers; satellite dishes

Excludes: floor surfaces (66*); power and telephone lines (4415); offshore oil platforms (6213); oil rigs and derricks (3244); other derricks (354)

636  Excavations, strip mines, and quarries (except confined space)

639*  Other structures

This source group classifies other structures not previously classified.

Includes: guardrails, road dividers; fire, water hydrants; posts, bollards; road signs; porches, balconies, decks, patios; strip mines; railroad tracks; mailboxes

Excludes: wells (613); confined spaces (61*)

6390  Other structures, unspecified
6391  Guardrails, road dividers
6392  Posts, bollards, moorings
6393  Hydrants
6394  Road signs
6395  Porches, balconies, decks, patios
6396  Railroad tracks
6397  Mailboxes

6399  Structures, n.e.c.

Concrete planters

Decorative fountains

64*  Building systems

This major group classifies the mechanical systems in a building, including the climate control and plumbing systems. This category will primarily be used as a secondary source to classify building system complications which produce injuries or illnesses. For example, illnesses produced by foreign particles in the air may be the result of a poor ventilation (climate control) system; illnesses produced by contaminated drinking water may be the result of a poor plumbing system.

Includes: climate control systems; plumbing systems; security systems

Excludes: light fixtures (224*); plumbing fixtures (225*) electric parts (441*)

640  Building systems, unspecified

*Asterisks denote a summary level code not assigned to individual cases.
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>641</td>
<td>Climate control systems</td>
</tr>
<tr>
<td>642</td>
<td>Plumbing systems</td>
</tr>
<tr>
<td>643</td>
<td>Electrical systems</td>
</tr>
<tr>
<td>644</td>
<td>Security systems</td>
</tr>
<tr>
<td>649</td>
<td>Building systems, n.e.c.</td>
</tr>
<tr>
<td>65*</td>
<td>Other structural elements</td>
</tr>
<tr>
<td>650</td>
<td>Other structural elements, unspecified</td>
</tr>
<tr>
<td>651*</td>
<td>Entrances and exits</td>
</tr>
<tr>
<td>6510</td>
<td>Entrances and exits, unspecified</td>
</tr>
<tr>
<td>6511</td>
<td>Doors, except garage and vehicle</td>
</tr>
<tr>
<td>6512</td>
<td>Garage doors</td>
</tr>
<tr>
<td>6519</td>
<td>Entrances and exits, n.e.c.</td>
</tr>
<tr>
<td>652*</td>
<td>Fences, fence panels, gates</td>
</tr>
<tr>
<td>6520</td>
<td>Fences, fence panels, gates, unspecified</td>
</tr>
<tr>
<td>6521</td>
<td>Chain-link fences, panels</td>
</tr>
</tbody>
</table>

*Asterisks denote a summary level code not assigned to individual cases.
6522 Barbed-wire fences
6523 Wooden fences, panels
6524 Gates
6529 Fences, fence panels, gates, n.e.c.

653 Windows, openings

654* Roofs
6540 Roofs, unspecified
6541 Skylights
6542 Existing roof openings, other than skylights
6543 Roof surfaces other than roof edge
6544 Roof edges
6549 Roofs, n.e.c.

655* Trusses, girders, beams—structurally attached
6550 Trusses, girders, beams—structurally attached, unspecified
6551 Girders, beams, structural steel
6552 Roof trusses, joists

656* Ceilings, walls
6560 Ceilings, walls, unspecified
6561 Ceilings
6562 Walls
6569 Ceilings, walls, n.e.c.

657 Handrails, banisters

Excludes: railroad tracks (6396)

658 Elevator shafts

659 Structural elements, n.e.c.

Prefabricated building materials

66* Floors, walkways, ground surfaces

This major group classifies walking, working, floor, and road surfaces. These surfaces can be temporary or permanent, indoors or outdoors, above or below ground, etc. If the surface identified as the source of an injury is the **general floor surface** in a building or on the ground, **regardless of whether it is a permanent element** of a building, then the appropriate surface in this major group should be selected as the source.

Includes: escalators; floors; ground; sidewalks, paths, outdoor walkways; stairs, steps; streets, roads, driveways; ditches, channels, trenches,
excavations; piers, wharfs; ramps, runways, loading docks; moving walkways; parking lots; curbs, berms, culverts, nonconfined ditches, embankments; airport runways

660 Floors, walkways, ground surfaces, unspecified

661* Stairs, steps, escalators

This source group classifies any stairs or steps inside or outside (except ladders 74*), when used as a surface on which a person is supported. This group also classifies escalators mainly used as mechanical steps for the transportation of people from one level to another.

Includes: indoor stairs, steps; outdoor stairs, steps; uncompleted stairs, such as stringers and risers; escalators

Excludes: ladders (74*), moving walkways (6693), step stools (7422)

6610 Stairs, steps, unspecified
6611 Stairs, steps—indoors
6612 Stairs, steps—outdoors
6613 Escalators

662* Floors

This source group includes the floor surface of any structure, vehicle, or machine, and excludes outdoor ground surfaces (663*), below ground surfaces (611, 612*), piers, wharfs (6691), ramps, runways, loading docks (6692), moving walkways (6693) and roofs (654*). Vehicle floors should not be coded as the source for transportation incidents.

Note that roofs, even when used as working surfaces, are classified in source group 654 (Roof).

Includes: building floor (including basement) surfaces; elevator floor surfaces; mine floor surfaces; scaffold, staging, or temporary work platforms, floor surfaces; vehicle floor surfaces

Excludes: outdoor ground surfaces (663*); below ground surfaces such as ditches and trenches (611); piers, wharfs (6691); ramps, runways, loading docks (6692); moving walkways (6693); roofs (654*); stairs, steps, escalators (661*)

6620 Floor, unspecified
6621 Existing floor opening

*-Asterisks denote a summary level code not assigned to individual cases.
6622  **Floor irregularity**

*Includes:*  depression, bump, hole  

*Excludes:*  grates and drains in floor surface (6694), object or substance on floor causing slipping or tripping hazard

6629  **Floor, n.e.c.**  
*Drilling rig floor*  
*Floors without openings, or irregularities*

663*  **Ground**

This source group classifies any natural surface in the outdoors on which an employee is supported other than sidewalks, paths, and walkways.

*Includes:*  outdoor ground surfaces; athletic fields  

*Excludes:*  other dirt, earth (554); sidewalks, paths, walkways, trails (664*); streets, roads, driveways (665*); ditches, channels, trenches, excavations—confined space (611); parking lots (666*); berms, embankments, culverts, nonconfined ditches (667*); indoor surface

6630  **Ground, unspecified**

6631  **Ground irregularity**

*Includes:*  depression, bump, hole

6639  **Ground, n.e.c.**

664*  **Sidewalks, paths, outdoor walkways**

This source group consists of any outdoor sidewalk, path, or walkway when used as a surface on which a person is supported.

*Includes:*  sidewalks, paths, outdoor walkways, jogging trails, bicycle paths, hiking trails  

*Excludes:*  ground (663*); streets, roads, driveways (665*); parking lots (666*); indoor surfaces

6640  **Sidewalks, paths, outdoor walkways, unspecified**

6641  **Sidewalk, path, or outdoor walkway irregularity**

*-Asterisks denote a summary level code not assigned to individual cases.*
Includes: depression, bump, hole

Excludes: curbs (6671), objects or substances causing slipping or tripping hazards

6642 Sidewalk, path, outdoor walkway—paved
6643 Sidewalk, path, outdoor walkway—unpaved

665* Streets, roads, driveways

This group includes any part of a public or private street or road that is used as a surface that supports people or vehicles.

Includes: public and private streets; roads; driveways

Excludes: athletic fields (663*); parking lots (666*); sidewalks (6641)

6650 Street, road, driveway, unspecified
6651 Street, road, or driveway irregularity

Includes: depression, bump, or pothole in street, road, or driveway

Excludes: curbs, traffic calming bumps, embankments (667*)

6652 Street, road, driveway—paved
6653 Street, road, driveway—unpaved

666* Parking lots

This source group classifies parking lot surfaces of any composition including gravel, dirt, concrete, etc.

Includes: parking lot surfaces; parking garage surfaces

Excludes: streets, roads, driveways (665*)

6660 Parking lot, unspecified
6661 Parking lot irregularity
6662 Parking lot—paved
6663 Parking lot—unpaved

667* Curbs, traffic calming bumps, embankments

6670 Curbs, traffic calming bumps, embankments, unspecified
6671 Curbs

*Asterisks denote a summary level code not assigned to individual cases.
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6672</td>
<td>Speed bumps, speed humps</td>
</tr>
<tr>
<td>6673</td>
<td>Concrete parking blocks and barriers</td>
</tr>
<tr>
<td>6674</td>
<td>Berms</td>
</tr>
<tr>
<td>6675</td>
<td>Embankments</td>
</tr>
<tr>
<td></td>
<td>Includes: snow, dirt, gravel</td>
</tr>
<tr>
<td>6676</td>
<td>Culverts, nonconfined ditches</td>
</tr>
<tr>
<td></td>
<td>Excludes: ditches, channels, trenches, excavations—confined (611)</td>
</tr>
<tr>
<td>6679</td>
<td>Curbs, traffic calming bumps, embankments, n.e.c.</td>
</tr>
<tr>
<td>669*</td>
<td>Other floors, walkways, ground surfaces</td>
</tr>
<tr>
<td></td>
<td>This source group classifies other common surfaces including piers and wharfs; ramps, runways, and loading docks; and moving walkways.</td>
</tr>
<tr>
<td></td>
<td>Includes: piers, wharfs; ramps, loading docks, dock plates; moving walkways; grates and drains in floor surface; airport runways</td>
</tr>
<tr>
<td></td>
<td>Excludes: floors (662*); ground (663*); sidewalks, paths, outdoor walkways (664*); stairs, steps (661*); streets, roads, driveways (665*); below ground surfaces (611, 612*); parking lots (666*)</td>
</tr>
<tr>
<td>6690</td>
<td>Other floors, walkways, ground surfaces, unspecified</td>
</tr>
<tr>
<td>6691</td>
<td>Piers, wharfs</td>
</tr>
<tr>
<td>6692</td>
<td>Ramps, loading docks, dock plates</td>
</tr>
<tr>
<td>6693</td>
<td>Moving walkways</td>
</tr>
<tr>
<td>6694</td>
<td>Grates and drains in floor surface</td>
</tr>
<tr>
<td>6695</td>
<td>Airport runways</td>
</tr>
<tr>
<td>6699</td>
<td>Floors, walkways, ground surfaces, n.e.c.</td>
</tr>
<tr>
<td>67*</td>
<td>Geographical structures</td>
</tr>
<tr>
<td></td>
<td>This category includes naturally-occurring geographic elements. Man-made structures that consist mainly of earth or water, such as man-made lakes, are also included in this category. Swimming pools and man-made ponds, such as farm and garden ponds, are coded in 633 Pools.</td>
</tr>
<tr>
<td>670</td>
<td>Geographical structures, unspecified</td>
</tr>
<tr>
<td>671*</td>
<td>Raised natural structures, hills, mountains</td>
</tr>
</tbody>
</table>

*Asterisks denote a summary level code not assigned to individual cases.
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6710</td>
<td>Raised natural structures, hills, mountains, unspecified</td>
</tr>
<tr>
<td>6711</td>
<td>Hills</td>
</tr>
<tr>
<td>6712</td>
<td>Mountains</td>
</tr>
<tr>
<td>6719</td>
<td>Raised natural structures, hills, mountains, n.e.c.</td>
</tr>
</tbody>
</table>

672* Recessed natural structures, valleys

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6720</td>
<td>Recessed natural structures, valleys, unspecified</td>
</tr>
<tr>
<td>6721</td>
<td>Valley</td>
</tr>
<tr>
<td>6722</td>
<td>Gorge, crevice</td>
</tr>
<tr>
<td>6729</td>
<td>Recessed natural structures, valleys n.e.c.</td>
</tr>
</tbody>
</table>

673* Water bodies—natural

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6730</td>
<td>Water bodies—natural, unspecified</td>
</tr>
<tr>
<td>6731</td>
<td>Natural ponds</td>
</tr>
<tr>
<td>6732</td>
<td>Lakes</td>
</tr>
<tr>
<td>6733</td>
<td>Rivers, streams</td>
</tr>
<tr>
<td>6734</td>
<td>Oceans</td>
</tr>
<tr>
<td>6739</td>
<td>Water bodies—natural, n.e.c.</td>
</tr>
</tbody>
</table>

679 Geographical structures, n.e.c.

69 Structures and surfaces, n.e.c.

This major group classifies structures and surfaces not elsewhere classified.

*-Asterisks denote a summary level code not assigned to individual cases.
TOOLS, INSTRUMENTS, AND EQUIPMENT

This division classifies handtools (nonpowered, powered, power not determined), ladders (fixed, movable), equipment (photographic, protective, recreation, athletic), and instruments (medical, surgical). Other tools and instruments such as clocks, eating and cooking utensils, firearms, other health care and orthopedic equipment, musical instruments, sewing notions, wheelchairs, and writing supplies are also included in this division.

If a part that produces an injury is attached to a tool (e.g., a saw blade or drill bit) then the entire tool should be listed as the source, unless the injury was inflicted by the electrical cord.

If a part is known to be unattached and independent of a tool—or if it is probable that a tool is not involved in the injury—then that specific part should be listed as the source. Unattached drill bits and saw blades are classified in source group 443 (Tool parts, accessories).

Certain handtools are manufactured in both powered and nonpowered varieties. If it cannot be determined whether a handtool is powered or nonpowered, it should be classified in major group 73 (Handtools—power not determined).

Includes: nonpowered handtools; powered handtools; handtools—power not determined; ladders; medical and surgical instruments and equipment; photographic equipment; protective equipment (except clothing); recreation and athletic equipment; clocks; cooking and eating utensils (except knives); firearms and other weapons; musical instruments; sewing notions, n.e.c.; writing, drawing, and art supplies

Excludes: containers (2*); furniture and fixtures (2*); tool chests (2212); machinery (3*); mechanical jacks (347); parts and materials (4*); hoisting accessories (43*); machine, tool, and electric parts (44*); tool parts and accessories (443*); tarps (472)

70 Tools, instruments, and equipment, unspecified

71* Handtools—nonpowered

This major group classifies all nonpowered handtools which are handheld and operated. Handtools in this major group are not powered by electricity, fuel (gasoline, coal), air, steam, water, or gunpowder. Nonpowered handtools are classified according to their common functions at the source group level (e.g., boring, cutting, digging, gripping, etc.). Unattached drill bits and saw blades are classified in source group 443 (Tool parts, accessories). Certain handtools are manufactured in both powered and nonpowered varieties. If it cannot be

*-Asterisks denote a summary level code not assigned to individual cases.
determined whether a handtool is powered or nonpowered, it should be classified in major group 73 (Handtools—power not determined).

Includes:  
handtools; cutting handtools; digging handtools; gripping handtools; measuring handtools; striking and nailing handtools; surfacing handtools; turning handtools; cleaning handtools; crowbars; pitchforks; rakes; stapling tools

Excludes:  
workbenches, worktables (2232); hoisting accessories (43*); metal fasteners such as nails, screws, nuts, and bolts (421); unattached drill bits and saw blades (443*); powered handtools (72*); handtools—power undetermined (73*); carts and wheelbarrows (87*)

710  Handtools—nonpowered, unspecified

711*  Boring handtools—nonpowered

This source group classifies nonpowered handtools which are commonly used to make holes using an attached revolving bit.

Includes:  
augers; braces; drills

Excludes:  
unattached drill bits (4431); boring and drilling machinery (352); upright drill presses (3521); powered boring handtools (721)

7110  Boring handtools—nonpowered, unspecified

7111  Augers, plumbing snakes—nonpowered

Augers  Corkscrews
Bores  Counterbores
Breast augers  Wimbles

7112  Braces—nonpowered

Bit braces  Braces
Brace and bits  Joist braces

7113  Drills—nonpowered

Breast drills  Gimlets
Hand drills, nonpowered  Pin vises
Push drills  Reamers
Ratchet drills

7119  Boring handtools—nonpowered, n.e.c.

Awls  Bradawls

*-Asterisks denote a summary level code not assigned to individual cases.
Asterisks denote a summary level code not assigned to individual cases.

This source group classifies sharp-edged handtools which are commonly used to penetrate and separate objects, fabrics, etc.

**Includes:** axes, hatchets; bolt cutters; chisels; knives; saws; scissors, snips, shears

**Excludes:** sawing machinery (357*); unattached saw blades (4432); spokeshaves, shavehooks (7162); putty knives (7166); powered cutting handtools (722*); scalpels and surgical knives (7512); pick axes (7132)

### 7120 Cutting handtools—nonpowered, unspecified

#### 7121 Axes, hatchets

**Adzes**

**Axes, except pick axes**

**Bark spuds**

**Battle axes**

**Broad axes**

**Broad hatchets**

**Celts, stone axe**

#### 7122 Bolt cutters—nonpowered

**Bolt cutters**

**Chain cutters**

**Lock cutters**

#### 7123 Chisels—nonpowered

**Bench chisels**

**Cold chisels**

**Construction chisels**

**Corner chisels**

**Deep-mortise chisels**

**Dog leg chisels**

**Dovetail chisels**

#### 7124 Box cutters and razor knives

**Razor blades**

**Utility knives**

#### 7125 Knives, unspecified or n.e.c.
Includes: bayonets, mat cutters, palette knives, bushwhackers, pocket knives, butcher knives, potato peelers, carving knives, pushknives, cleavers, scrapers (used with lathes), daggers, scythes, detail knives, shaping knives, dowel makers (used with lathes), shavers, sickles, drawknives, spears, steak knives, gouges, stilettos, groovers, switchblades, hacks, swords, hunting knives, table knives, inshavers, whittling knives, knife blades, veiners, lances, woodcarving knives, linoleum knives, woodturning tools (used with lathes), machetes, marking knives, unspecified knives

Excludes: putty knives (7166), box cutters and razor knives (7124), drywall knives (7124), utility knives (7124), surgical knives (7512)

7126 Saws—nonpowered
Backsaws
Bow saws
Coping saws
Cross-cut saws
Dozuki saws
Fret saws
Hand saws
Ryoba saws
Scroll saws
Turning saws
Veneer saws
Hack saws

7127 Scissors, snips, shears—nonpowered
Grass clippers
Hand scissors
Barber's scissors
School scissors
Tailor's scissors
Hedge clipper shears
Pruning shears
Tin snips
Hedge trimmers

7129 Cutting handtools—nonpowered, n.e.c.
Can openers
Chasers (cut screw threads)
Glass cutters
Letter openers
Nail clippers
Hand-operated paper cutters
Paper-hole punchers
Wedges

713* Digging handtools—nonpowered

This source group classifies nonpowered handtools which are commonly used for turning up, loosening, or removing earth.

Includes: hoes; picks; shovels; trowels; post hole diggers

*-Asterisks denote a summary level code not assigned to individual cases.
Excludes: excavating machinery (321); pitchforks (7193); rakes (7194)

**7130** Digging handtools—nonpowered, unspecified

**7131** Hoes  
Garden hoes  Masons hoes  
Grub hoes  Scuffle hoes  
Lawn edgers—nonpowered  Sod cutters

**7132** Picks  
Axe picks  
Ice picks  
Mattocks (combination adze and axe)

**7133** Shovels  
Snow shovels  Spades

**7134** Trowels  
Hand scoops  Garden trowels  
Spuds (combination trowel and chisel)

**7139** Digging handtools—nonpowered, n.e.c.  
Dibbles (make seed holes in garden)  
Post hole diggers

**714** Gripping handtools—nonpowered  
This source group classifies nonpowered handtools which are commonly used for clutching, squeezing, or gripping objects.

Includes: pliers, tongs; vises, clamps; gear pullers

Excludes: clamps used as fasteners (4211); hooks (bush, grass, baling, and husking), grappling irons and hooks, anchors, cant hooks (432); peavies (7199); medical implements (759)

**7140** Gripping handtools—nonpowered, unspecified

**7141** Pliers, tongs  
Forceps—excluding medical  Tweezers  
Nippers  Ice tongs  
Pincers  Oyster tongs  
Pliers  Vise grips

**7142** Vises, clamps  
Bench dogs  Spreaders clamps

* Asterisks denote a summary level code not assigned to individual cases.
Bench screws     Spring clamps
Band clamps     Toggle clamps
Bar clamps     Handscrews
Cam clamps     Bench vises
Edging clamps     Front vises
Hand clamps     Miter vises
Pipe clamps

7149  Gripping handtools—nonpowered, n.e.c.
    Nutcrackers     Wheel, gear, bearing pullers

715*  Striking and nailing handtools—nonpowered

This source group classifies nonpowered handtools which are commonly used for delivering blows or strokes, or for nailing.

*Includes: hammers; mallets; punches, counterpunches, countersinks; sledges

*Excludes: nonpowered staplers (7195); powered striking and nailing handtools (723*); powered nail guns (7235)

7150  Striking and nailing handtools—nonpowered, unspecified

7151  Hammers, except sledge—nonpowered
    Ball-peen hammers     Meat hammers
    Cabinetmaker hammers     Tack hammers
    Claw hammers     Mauls
    Framer hammers

7152  Mallets
    Gavels     Printer’s mallets
    Beechwood mallets     Rawhide mallets
    Carver’s mallets     Rubber mallets
    Cocobolo mallets

7153  Punches, counterpunches, countersinks—nonpowered
    Counterpunches     Belt punches
    Countersinks     Center punches
    Punches

7154  Sledges, sledgehammers

7155  Toe kickers, knee kickers
    Carpet kickers

*Asterisks denote a summary level code not assigned to individual cases.
7159  Striking and nailing handtools—nonpowered, n.e.c.

Includes:  beetles, staffs, staves, tampers, hand-threshing flails

Excludes:  law enforcement batons, night sticks, clubs (7831)

716*  Surfacing handtools—nonpowered

This source group classifies nonpowered handtools which are commonly used to plane, shape, or make smooth surfaces.

Includes:  files (surfacing handtools); planes; sanders; sharpening stones and wheels; cement trowels

Excludes:  planing machinery (352*); grinding, polishing machinery (354*); drawknives, gouges and groovers (woodcarving chisels), inshavers, veiners, and pushknives (7125)

7160  Surfacing handtools—nonpowered, unspecified

7161  Files—surfacing handtool

Emery boards       Wood files
Bastard files      Cabinet rasps
Cabinet files      Keyway rasps
Detail files       Needle rasps
Diamond files      Round rasps
Nail files         Sculptor’s rasps
Needle files       Rifflers
Round files

7162  Planes—surfacing handtool

Cornering tools     Jointer planes
Bench planes        Rabbet planes
Block planes        Router planes
Bullnose planes     Scraping planes
Butt mortise planes Scrub planes
Combination planes  Smoothing planes
Compass planes      Trimming planes
Fore planes         Cabinet scrapers
Hollowing planes    Shavehooks
Jack planes         Spokeshares

7163  Sanders—nonpowered

Abrasive pads       Sanding sticks
Hand sanders        Sandpaper
Sanding grips

*Asterisks denote a summary level code not assigned to individual cases.
7164  Sharpening stones and wheels—nonpowered
   Corundum stone    Pumice stone
   Emery wheels      Slipstones
   Honing stones     Water stones
   Multi-stones      Whetstone
   Oilstone

7165  Scrapers—nonpowered
   Includes:       paint scrapers

7166  Putty knives

7169  Surfacing handtools—nonpowered, n.e.c.
   Includes:       bench strops, scouring pads, sharpening straps
   Excludes:       putty knives (7166)

717*  Turning handtools—nonpowered
   This source group classifies nonpowered handtools which are commonly used to revolve or rotate screws, nuts, bolts, and pipes. Included here are screwdrivers, ratchet drivers, and wrenches.
   Includes:       screwdrivers; ratchet drivers; wrenches
   Excludes:       lathes (355*); powered turning handtools (725*)

7170  Turning handtools—nonpowered, unspecified

7171  Screwdrivers—nonpowered
   Includes:       Phillips head screwdriver, straight tip screwdriver
   Excludes:       ratchet drivers (7172)

7172  Ratchet drivers—nonpowered
   Ratchet drivers

7173  Wrenches—nonpowered
   Spanners         Open-end wrenches
   Adjustable wrenches  Pipe wrenches
   Allen wrenches      Socket wrenches
   Box wrenches        Spark-plug wrenches
   Monkey wrenches     Tuning wrenches

*-Asterisks denote a summary level code not assigned to individual cases.
7179 Turning handtools—nonpowered, n.e.c.

719* Other handtools—nonpowered

This source group classifies other nonpowered handtools not previously classified.

Includes: brooms, mops, and other cleaning tools; crowbars; pitchforks, spading forks; rakes; nonpowered stapling tools

Excludes: workbenches, worktables (2232); hoisting accessories (43*); metal fasteners such as nails, screws, nuts, and bolts (421*); unattached drill bits and saw blades (443*); powered handtools (72*); handtools—power undetermined (73*); carts and wheelbarrows (87*)

7190 Other handtools—nonpowered, unspecified

7191 Brooms, mops, and other cleaning tools

<table>
<thead>
<tr>
<th>Hand brooms</th>
<th>Leaf skimmers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Push brooms</td>
<td>Mops</td>
</tr>
<tr>
<td>Straw brooms</td>
<td>Rags</td>
</tr>
<tr>
<td>Cleaning brushes</td>
<td>Ram rods (cleaning rods)</td>
</tr>
<tr>
<td>Steel brushes</td>
<td>Sponges</td>
</tr>
<tr>
<td>Feather dusters</td>
<td>Plungers</td>
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</tbody>
</table>

7192 Crowbars

<table>
<thead>
<tr>
<th>Nail pullers</th>
<th>Prying bars</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pinch bars (large crowbars)</td>
<td>Wrecking bars</td>
</tr>
</tbody>
</table>

7193 Pitchforks, spading forks

<table>
<thead>
<tr>
<th>Garden forks</th>
<th>Manure forks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hay forks</td>
<td></td>
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</tbody>
</table>

7194 Rakes

<table>
<thead>
<tr>
<th>Garden rakes</th>
<th>Swimming pool rakes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leaf rakes</td>
<td></td>
</tr>
</tbody>
</table>

7195 Stapling tools—nonpowered

<table>
<thead>
<tr>
<th>Staplers—nonpowered</th>
<th>Staple guns—nonpowered</th>
</tr>
</thead>
</table>

7196 Tape guns

7199 Handtools—nonpowered, n.e.c.

<table>
<thead>
<tr>
<th>Caulking guns</th>
<th>Paint brushes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grease guns</td>
<td>Paint sticks</td>
</tr>
</tbody>
</table>

*Asterisks denote a summary level code not assigned to individual cases.
**Handtools—powered**

This major group classifies all of the tools which are hand-held and require a source of energy to operate (i.e., electricity, gasoline, diesel, coal, air, steam, water, or gunpowder).

Powered handtools are grouped according to their common functions. If a drill bit, saw blade, or other tool part that produces an injury is attached to a handtool then the entire handtool should be listed as the source, unless the injury was inflicted by an electrical cord. Unattached drill bits and saw blades are classified in source group 443 (Tool parts, accessories). If a part is known to be unattached and independent of a handtool—or if it is probable that a handtool is not involved in the injury—then that specific part should be listed as the source. Handtool parts are classified in source group 443 (Tool parts, accessories). Certain handtools are manufactured in both powered and nonpowered varieties. If it cannot be determined whether a handtool is powered or nonpowered, it should be classified in major group 73 (Handtools—power not determined).

**Includes:** boring handtools; cutting handtools; striking and nailing handtools; surfacing handtools; turning handtools; welding and heating handtools; nail guns; powered scrubbers; handheld paint sprayers; electric or pneumatic stapling tools

**Excludes:** machinery (3*); agricultural and garden machinery (31*); power lawn mowers (3121); hair and hand dryers (3335); vacuum cleaners (3336); hydraulic, pneumatic jacks (347); metalworking machinery, woodworking machinery (35*); stationary drills (3521); stationary saws (357*); unattached drill bits, saw blades (443*); nonpowered handtools (71*)

**Handtools—powered, unspecified**

**Boring handtools—powered**

This source group classifies powered hand-held boring tools such as portable electric drills, compressed-air drills, braces, and augers. Unattached drill bits are classified in 4431 (Drill bits—unattached).

**Includes:** powered hand augers, braces, and drills

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**-** Asterisks denote a summary level code not assigned to individual cases.
Excludes: drilling machines and augers used in construction and mining (3241); boring, drilling, and milling machines used in manufacturing (352*); unattached drill bits (4431); auger conveyors (3427)

7210 Boring handtools—powered, unspecified

7211 Augers, plumbing snakes—powered

7212 Braces—powered

7213 Drills—powered
Powered countersinks Pneumatic drills
Cordless drills Variable speed drills
Hand drills

7214 Routers and molders—powered

7219 Boring handtools—powered, n.e.c

722* Cutting handtools—powered

This source group classifies powered hand-held cutting tools such as power chisels, power knives, portable power saws, and electric cutters, shears, and razors. Unattached saw blades are classified in 4432 (Saw blades—unattached).

Includes: chainsaws; powered chisels; powered knives; powered saws (except chainsaws); handheld powered lawn cutters, weed trimmers

Excludes: stationary sawing machinery (357*); laser cutting machinery (3592); unattached saw blades (4432)

7220 Cutting handtools—powered, unspecified

7221 Chainsaws—powered

7222 Chisels—powered

7223 Knives—powered

7224 Saws—powered, except chainsaws
Circular saws Jig saws

7225 Lawn edgers, clippers, trimmers—powered
Weed trimmers Hedge clippers

7229 Cutting handtools—powered, n.e.c.
Powered shears Electric razors

*-Asterisks denote a summary level code not assigned to individual cases.
723*  Striking and nailing handtools—powered

This source group classifies powered handtools which are commonly used for delivering blows or strokes, or for nailing.

Includes: powered hammers; jackhammers; powered punches; powered riveters; nail guns

Excludes: pile driving, tamping machinery—construction (3293); nonpowered striking and nailing handtools (715*); striking and nailing handtools with undetermined power (733*)

7230  Striking and nailing handtools—powered, unspecified

7231  Hammers—powered

Air hammers
Electric chipping hammers
Electric hammers
Power hammers

7232  Jackhammers—powered

Pile driving hammers
Steam hammers
Jackhammers
Steam hammers

7233  Punches—powered

7234  Riveters—powered

Electric riveting hammers
Electric riveters
Pneumatic riveters
Powered riveters

7235  Nail guns—powered

Air nail guns
Electric nail guns
Point drivers
Gunpowder activated nail guns

7236  Stapling tools—electric or pneumatic

Electric staple guns
Pneumatic staple guns
Gunpowder activated staple guns

7239  Striking and nailing handtools—powered, n.e.c.

724*  Surfacing handtools—powered

This source group classifies powered hand-held surfacing tools such as buffers, grinders, and sanders. Unattached grinding wheels are classified in 7164 (Sharpening stones and wheels—nonpowered).

Includes: powered buffers, polishers, and waxes; powered hand grinders; powered Sanders; sandblasters

*Asterisks denote a summary level code not assigned to individual cases.
Excludes: grinding and polishing machinery (354*); nonpowered surfacing handtools (716*); unattached grinding wheels (7164)

7240 Surfacing handtools—powered, unspecified

7241 Buffers, polishers, waxers—powered
   Hand buffing machines       Powered polishers
   Floor buffers              Polishing heads

7242 Hand grinders—powered
   Bench grinders            Waterstone grinders
   Electric grinders        Wet stone grinders
   Pneumatic grinders       Wet/dry grinders
   Snagging grinders

7243 Sanders—powered
   Sand belts               Disc sanders
   Belt sanders             Finishing sanders

7244 Sandblasters—powered

7249 Surfacing handtools—powered, n.e.c.
   Rotary rasps

725* Turning handtools—powered

This source group classifies powered hand-held turning tools which are commonly used to revolve or rotate screws, nuts, bolts, and pipes. All types of powered hand-held screwdrivers and wrenches are included here.

Includes: powered bolt setters; powered impact wrenches; powered screwdrivers; air-powered bolt setters

Excludes: lathes, turning machines (355*)

7250 Turning handtools—powered, unspecified

7251 Bolt setters—powered
   Air-powered bolt setters

7252 Impact wrenches—powered
   Air wrenches              Impact wrenches

7253 Screwdrivers—powered
7254 Tongs—powered
7259 Turning handtools—powered, n.e.c.

*Asterisks denote a summary level code not assigned to individual cases.
### 726* Welding and heating handtools—powered

This source group classifies powered hand-held welding tools which are used to solder, weld, or burn. Included here are soldering guns, welding torches, electric burn-in knives, and woodburning pens.

**Includes:** welding, cutting, and blow torches; soldering irons; heat guns

**Excludes:** welding and soldering fumes (147); irons (3323); laser cutting machinery (3592); robotic welding machinery (3594)

#### 7260 Welding and heating handtools—powered, unspecified

#### 7261 Welding, cutting, and blow torches

<table>
<thead>
<tr>
<th>Cutting torches</th>
<th>Propane torches</th>
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<tbody>
<tr>
<td>Welding torches</td>
<td>Mapp torches</td>
</tr>
<tr>
<td>Welding guns</td>
<td></td>
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</tbody>
</table>

#### 7262 Soldering irons—powered

<table>
<thead>
<tr>
<th>Burning systems</th>
<th>Soldering tips</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric burn-in knives</td>
<td>Soldering tiplets</td>
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<tr>
<td>Soldering coppers</td>
<td>Soldering irons</td>
</tr>
<tr>
<td>Soldering tools</td>
<td>Woodburning sets</td>
</tr>
<tr>
<td>Soldering guns</td>
<td>Woodburning pens</td>
</tr>
</tbody>
</table>

#### 7263 Heat guns

<table>
<thead>
<tr>
<th>Glue guns</th>
</tr>
</thead>
</table>

#### 7269 Welding and heating handtools—powered, n.e.c.

### 729* Other handtools—powered

This source group classifies powered handtools which are not elsewhere classified such as power punches, scrubbers, paint sprayers, and flashlights.

**Includes:** powered scrubbers; handheld paint sprayers; power washers; laser pointers; powered spreaders; powered push-pull rams; flashlights

**Excludes:** machinery (3*); agricultural and garden machinery (31*); power lawn mowers (3121); hair and hand dryers (3335); vacuum cleaners (3336); hydraulic, pneumatic jacks (347); metalworking machinery, woodworking machinery (35*)

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* Asterisks denote a summary level code not assigned to individual cases.
stationary drills (3521); stationary saws (357*); painting machinery (3796); unattached drill bits, saw blades (443*); nonpowered handtools (71*); nail guns (7235); stapling tools (7236)

7290  Other handtools—powered, unspecified

7291  Scrubbers—powered

7292  Sprayers, air guns—paint

7293  Power washers

7294  Laser pointers

7295  Spreaders—powered

7296  Push-pull rams—powered

7299  Handtools—powered, n.e.c.

73*  Handtools—power not determined

This source group should only be used to classify those handtools which are manufactured in both powered and nonpowered varieties. If it cannot be determined whether these handtools are powered or nonpowered, they should be classified in this major group. For specific definitions of the source group categories, refer to the corresponding source groups under nonpowered (71*) or powered (72*) handtools.

Includes: boring, cutting, striking, nailing, surfacing, turning, stapling handtools, power not determined

Excludes: handtools determined to be nonpowered (71*); handtools determined to be powered (72*)

730  Handtools—power not determined, unspecified

731*  Boring handtools—power not determined

For a specific definition of this source group, refer to the corresponding source group under nonpowered (71*) or powered (72*) handtools.

7310  Boring handtools—power not determined, unspecified

*-Asterisks denote a summary level code not assigned to individual cases.
7311 Augers, plumbing snakes—power not determined
7312 Braces—power not determined
7313 Drills—power not determined
7319 Boring handtools—power not determined, n.e.c.

732* Cutting handtools—power not determined

For a specific definition of this source group, refer to the corresponding source group under nonpowered (71*) or powered (72*) handtools.

7320 Cutting handtools—power not determined, unspecified
7321 Chisels—power not determined
7322 Knives—power not determined
7323 Saws—power not determined
7329 Cutting handtools—power not determined, n.e.c.

733* Striking and nailing handtools—power not determined

For a specific definition of this source group, refer to the corresponding source group under nonpowered (71*) or powered (72*) handtools.

7330 Striking and nailing handtools—power not determined, unspecified
7331 Hammers—power not determined
7332 Punches—power not determined
7339 Striking and nailing handtools—power not determined, n.e.c.

734* Surfacing handtools—power not determined

For a specific definition of this source group, refer to the corresponding source group under nonpowered (71*) or powered (72*) handtools.

7340 Surfacing handtools—power not determined, unspecified
7341 Sanders—power not determined
7349 Surfacing handtools—power not determined, n.e.c.

735* Turning handtools—power not determined

For a specific definition of this source group, refer to the corresponding source group under nonpowered (71*) or powered (72*) handtools.

7350 Turning handtools—power not determined, unspecified
7351 Screwdrivers—power not determined
7352 Wrenches—power not determined
7359 Turning handtools—power not determined, n.e.c.

736* Measuring handtools

*Asterisks denote a summary level code not assigned to individual cases.
This source group classifies—powered, nonpowered, or power not
determined—which are commonly used to ascertain measurements.
Divider calipers are classified in 7362.

Includes: calipers, micrometers; dividers; gauges; levels; plumb
bobs; rulers, tape measures; squares; scales; thermometers

Excludes: diagnostic machinery (393); measuring cups (2142);
measuring spoons (792); clocks (791); compasses and
protractors (7624)

7360 Measuring handtools, unspecified

7361 Calipers, micrometers

Dial calipers Vernier calipers
Inside calipers Yankee calipers
Micrometer calipers Micrometers
Outside calipers

7362 Dividers

Divider calipers Trammel heads

7363 Gauges

Center finders Multi gauges
Dovetail gauges Profile gauges
Marking gauges Scoring gauges

7364 Levels

Levels Spirit levels

7365 Plumb bobs

Plumbs Plumb bobs

7366 Rulers, tape measures

Angle finders Shop rules
Bench rules Steel rules
Centering rules Size sticks
Foot rules Straight edges
Metersticks Tape lines
Parallel rules Tape measures
Pocket rules Triangles
Rulers Yardsticks

7367 Squares

Bevels Framing squares
Combination builders tools Speed squares

*-Asterisks denote a summary level code not assigned to individual cases.
Squares  
Combination squares  
Engineers squares  

7368  **Scales**  
Bathroom scales  
Kitchen scales  

7369  **Measuring handtools, n.e.c.**  
Balances  
Sextants  
Pantographs  
Magnetic compasses  
Thermometers  

739*  **Other handtools—power not determined**  
For a specific definition of this source group, refer to the corresponding source group under nonpowered (71*) or powered (72*) handtools.  

7391  **Staplers—power not determined**  
7399  **Handtools—power not determined, n.e.c.**  

74*  **Ladders**  
This major group classifies fixed and movable ladders of any construction: wooden, steel, aluminum, plastic, etc. Fixed ladders are immovable, permanent fixtures. Movable ladders are portable, foldable, or extendable. Generally, the source for falls involving ladders on trucks and or fixed ladders on structures will be coded according to the type of truck or structure.  

*Includes:* fixed ladders; movable ladders  

*Excludes:* stairs, steps (661*)  

740  **Ladders, unspecified**  
741  **Ladders—fixed**  
This source group classifies fixed ladders that are immovable, permanent fixtures. Included here are ladders that are used in silos, sewers, fire escapes, and swimming pools. Generally, the source for falls involving fixed ladders attached to structures will be coded as the structure.  

*Chain ladders*  
*Silo ladders*  
*Fire escape ladders*  
*Swimming pool ladders*  
*Sewer ladders*  

742*  **Ladders—movable**  

*—Asterisks denote a summary level code not assigned to individual cases.*
This source group classifies ladders that are portable, foldable, or extendable such as step stools, step ladders, extension ladders, and fire truck ladders. Generally, the source for falls from ladders on fire trucks will be coded as the fire truck.

*Includes:* extension ladders; step ladders; straight ladders; truck-mounted ladders, aerial ladder trams

*Excludes:* fixed ladders (741)

7420 Movable ladders, unspecified
7421 Extension ladders

7422 Step ladders
   *Folding ladders*
   *Stiles*
   *Step ladders*
   *Step stools*

7423 Straight ladders

7424 Truck mounted ladders, aerial ladder trams
   *Fire truck ladders*
   *Utility truck ladders*

7429 Movable ladders, n.e.c.
   *Ladder assemblies—combination work stands*

749 Ladders, n.e.c.

75* Medical and surgical instruments and equipment

This major group classifies all medical, surgical, ophthalmic, and veterinary instruments. Included here are hypodermic needles and syringes; surgical knives (scalpels); medical forceps and retractors; and other medical and surgical instruments.

*Includes:* needles and syringes; scalpels, surgical knives

*Excludes:* oxygen tanks (2123); laser cutting machinery (3592); medical machinery, except x-ray (3721); x-ray machinery (3722); respirators (776); hospital beds (2236); operating tables (2231)

750 Medical and surgical instruments and equipment, unspecified

751* Medical sharps instruments

This source group classifies all needles, syringes, and scalpels—commonly referred to as sharps—used in the medical field. Included here are suture needles for making stitches in animals and humans and

*-Asterisks denote a summary level code not assigned to individual cases.*
hypodermic needles or syringes for injecting or removing fluids from animals and humans. Sewing needles are classified in 7942.

7510 Medical sharps instruments, unspecified

7511 Needles, syringes

<table>
<thead>
<tr>
<th>Hypodermic needles</th>
<th>Hypodermic syringes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suture needles</td>
<td></td>
</tr>
</tbody>
</table>

7512 Scalpels

This code classifies all surgical knives which are used in the medical field. All other nonpowered knives are classified in 7124 (Box cutters and razor knives) or 7125 (Knives, unspecified or n.e.c.).

| Surgical knives                                    | Scalpels |

7519 Medical sharps instruments, n.e.c.

752* Health care and orthopedic equipment

7520 Health care and orthopedic equipment, unspecified

7521 Canes, crutches, walkers

7529 Health care and orthopedic equipment, n.e.c.

<table>
<thead>
<tr>
<th>Corsets</th>
<th>Physical therapy equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supporters</td>
<td>Laboratory equipment, n.e.c.</td>
</tr>
<tr>
<td>Trusses</td>
<td>Orthopedic braces</td>
</tr>
<tr>
<td>Dentures</td>
<td>Prosthetic devices</td>
</tr>
</tbody>
</table>

753* Wheelchairs and other mobility devices

This source group classifies nonmotorized and motorized wheelchairs as well as motorized shopping carts and mobility scooters that function similar to motorized wheelchairs. Canes, crutches and walkers are classified in 7521.

7530 Wheelchairs and other mobility devices, unspecified

7531 Wheelchairs—powered

7532 Mobility scooters—powered

| Includes: | motorized shopping carts |
| Excludes: | motor scooters (8619); regular nonpowered shopping carts (875) |

* Asterisks denote a summary level code not assigned to individual cases.
753 Wheelchairs—nonpowered
7539 Wheelchairs and other mobility devices, n.e.c.

754 Latex gloves

755 Stretchers, backboards, wheeled cots, stair chairs

*Includes:* steel chairs used as patient transporting devices; cots used as wheeled stretchers

*Excludes:* operating tables (2236); hospital beds (2231)

756 Intravenous (IV) poles and machines

757 Patient hoists, lifting harnesses

*Includes:* patient lift slings

*Excludes:* safety harnesses (775)

759 Medical and surgical instruments and equipment, n.e.c.

This code classifies medical and surgical instruments that are not elsewhere classified including the items listed below.

*Dental burs*  *Retractors*

*Forceps*  *Speculums*

*Trephines*

76* Photographic, athletic, and recreational equipment

This major group classifies all types of cameras and photographic equipment used in the photography field such as cameras, slide and movie projectors, video cameras, photographic paper, tripods, stands, photographic and x-ray film, and other equipment related to the field of photography. It also includes indoor and outdoor recreation and athletic equipment.

*Includes:* cameras; photographic paper and cloth; projectors; tripods, stands; darkroom apparatus; bats and balls; writing, drawing, and art supplies; camping equipment; gymnasium and exercise equipment; playground equipment; riding goods and equipment; snow skiing equipment; water sports equipment

*Excludes:* photographic and copying solutions (1892); optical scanning devices (3614); photocopiers (3625); x-ray machinery and equipment (3722); firearms and other law enforcement and self-defense equipment (78*); ammunition (782); athletic clothing and

*Asterisks denote a summary level code not assigned to individual cases.*
footwear—excluding skis and skates (911*); recreational and commercial fishing equipment (795*)

760 Photographic, athletic, and recreational equipment, unspecified

761* Photographic equipment

7610 Photographic equipment, unspecified

7611 Cameras—still and motion picture

This code classifies photographic cameras of all kinds, both still and motion picture.

Includes: aerial cameras, movie cameras, box cameras, pinhole cameras, candid cameras, portrait cameras, folding cameras, reflex cameras, hand cameras, still cameras, home movie cameras, television cameras, instant cameras, video cameras, motion-picture cameras, digital cameras, identity recorders

Excludes: cameras used with x-ray equipment (3722); video players and recorders (3915); cell phones (3913)

7612 Photographic paper and cloth

Included in this source group are photosensitive papers and cloths which are used in developing and printing photographs. Most other paper and paper products are classified in major group 93*, Paper, books, magazines. Paperboard is coded in 474.

Blueprint cloth  Blueprint paper
Brownprint cloth  Brownprint paper
Diazol cloth  Diazol paper
Photographic cloth  Photographic paper

7613 Projectors—still and motion picture

This source group classifies photographic equipment used to project and view photographic images such as movie and slide projectors. Large screen and projection televisions are classified in 3914 (Televisions). Video players are classified in 3915 (Video players).

Cinema projectors  Slide projectors
Home movie projectors

*Asterisks denote a summary level code not assigned to individual cases.
7614 Screens—still and motion picture
   Movie screens

7615 Tripods, camera stands

   This source group classifies tripods and stands which are used to
   brace cameras and projectors.

   Camera braces           Stands
   Projector braces        Tripods

7619 Photographic equipment, n.e.c.

   This code classifies photographic equipment that is not elsewhere
   classified.

   Camera parts            Flash bulbs
   Darkroom apparatus      Photographic and graphic
   Developing apparatus    arts plates
   Editing equipment       Photographic film—motion
   Enlargers               picture, X-Ray, still camera
   Exposure meters         Photographic tanks
   Film reels

762* Writing, drawing, and art supplies

   This source group classifies writing instruments and artist supplies such as
   pens, pencils, and artists' supplies.

   Includes:    art supplies and materials, except paint; chalk, crayons,
                marking devices; pens and pencils

   Excludes:    paint (1862); ink and dye (1891); drawing tables (2236);
                blackboards and bulletin boards (226*); modeling clay
                (553); paint brushes (7199); knives (7124, 7125); paper
                (93*); paperboard, cardboard, and poster board (474); laser
                pointers (7294)

7620 Writing, drawing, and art supplies, unspecified

7621 Pens and pencils

   Refill cartridges        Ball-point pens
   Nibs                     Fountain pens
   Colored pencils          Meter pens
   Lead pencils             Quills
   Mechanical pencils

*-Asterisks denote a summary level code not assigned to individual cases.
7622 Chalk, crayons, marking devices
Artists’ chalk
Blackboard chalk
Marking chalk
Chalk lines
Chalk crayons
Charcoal crayons
Wax crayons
Felt markers
Soft tip markers
Pastels

7623 Art supplies and materials, except paint
Canvasses
Easels
Eraser guides, shields
Erasers—pencil, pen, chalk
Canvas frames
Picture frames

7624 Compasses, protractors
Includes: Measuring compasses
Excludes: Magnetic compasses (7369)

7629 Writing, drawing, and art supplies, n.e.c.
Hand seal dies
Ink pads
Textile printing screens
Hand stamps
Rubber stamps
Stencils

763* Recreation and athletic equipment
Excludes: weapons (78*)

7630 Recreation and athletic equipment, unspecified

7631 Balls, pucks

7632 Baseball bats, hockey sticks, rackets
Golf clubs
Lacrosse sticks
Tennis rackets

7633 Gymnasium and exercise equipment
This code classifies equipment that is used for exercising, weight lifting, and gymnastics such as jump ropes, gym mats, exercise machines, exercise cycles, jogging machines, rowing machines, treadmills, weight-lifting equipment, and all other equipment used for exercising and gymnastics.

Exercise cycles
Exercise machines
Gym mats
Jump ropes
Rowing machines
Treadmills

*-Asterisks denote a summary level code not assigned to individual cases.
Jogging machines
Boxing equipment
Weight-lifting equipment

7634 Camping equipment

This code classifies equipment that is used for camping outdoors.

Includes: portable lanterns, air mattresses, canteens, sleeping bags, mess kits, tents and accessories

Excludes: tarps (472); flashlights (7299); backpacks (2155), cots (2231, 755)

7635 Playground equipment

This code classifies equipment that is commonly used in playgrounds. Included are swings and swing sets, sliding boards, sandboxes, and outdoor play sets.

Jungle bars Sliding boards
Outdoor play sets Swing sets
Sandboxes Swings

7636 Riding equipment

This code classifies horse riding goods and equipment, including saddles and riding crops.

Crops, riding Saddlery
Reins Saddles

7637 Snow sports equipment

This code classifies equipment related to snow skiing.

Includes: snow skis; ski poles; bobsleds; sleds; toboggans; luges; snowboards; ice skates

Excludes: safety glasses, goggles (777); snowmobiles (8614); skiing apparel (911*)

7638 Water sports equipment

This code classifies all water sports equipment—except suits and apparel—used in diving (excluding oxygen tanks, 2123), surfing, swimming, and other related water sports. Included here are

-Asterisks denote a summary level code not assigned to individual cases.
surfboards, skin diving equipment, scuba diving equipment, kick boards, windsurfing boards and equipment, and sailboards.

Includes: diving masks, nose plugs, sailboards, flotation devices, scuba diving equipment (except apparel), inner tubes—recreational, skin diving equipment, kick boards, snorkels, life preservers, surfboards, water skis, paddles, oars

Excludes: fishing equipment (795*), oxygen tanks (2123); ear plugs (772); water vehicles (83*); jet skis (839); bathing suits, wet suits, beach apparel (911*)

7639 Recreation and athletic equipment, n.e.c.

This code classifies recreation and athletic equipment not elsewhere classified including the items listed below.

Includes: arcade games, archery equipment, pinball machines, roller skates, roller blades, billiards tables and equipment, ping pong tables, skateboards, boomerangs, slot machines, video games

Excludes: respirators (776); personal protective devices (77*); mopeds (8416); bicycles (851); powered golf carts (8612); go carts (8619)

769* Photographic, athletic, and recreational equipment, n.e.c.

77* Protective equipment, except clothing

This major group classifies protective equipment (except clothing) worn to protect workers from injuries or illnesses in hazardous work environments.

Includes: dust masks; earplugs and hearing protectors; face shields, welding masks; hard hats; lifelines, lanyards, safety belts or harnesses; respirators; safety glasses or goggles

Excludes: oxygen tanks (2123); protective clothing and other apparel (911*); identification badge lanyards (9122); latex gloves (754); diving masks and nose plugs (7638); life preservers and flotation devices (7638); diving equipment, except oxygen tanks (7638)

770 Protective equipment, except clothing, unspecified
771 Dust masks
772 Ear plugs, hearing protectors

*-Asterisks denote a summary level code not assigned to individual cases.
### Fire Protection Equipment

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<tr>
<th>Code</th>
<th>Description</th>
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</thead>
<tbody>
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<td>773</td>
<td>Face shields, welding masks</td>
</tr>
<tr>
<td>774</td>
<td>Hard hats</td>
</tr>
<tr>
<td>775</td>
<td>Lifelines, lanyards, safety belts, harnesses</td>
</tr>
</tbody>
</table>

**Excludes:** clothing and other apparel (911*), identification badge lanyards (9122); life preservers (7638)

### Respirators

This category classifies all respiratory protection equipment including air supply masks, self-contained breathing apparatus (SCBA), and air helmets. Oxygen tanks are classified in code 2123 (Oxygen tanks). Scuba equipment, except for apparel and oxygen tanks, is coded in 7638.

### Safety Glasses or Goggles

### Protective Equipment, except clothing, n.e.c.

**Bandages** Latex bandages

### Firearms, Law Enforcement, and Other Self-Defense Equipment

**Firearms, law enforcement, and other self-defense equipment, unspecified**

**Firearms**

This source group classifies all types of firearms and their parts. Select the appropriate firearm as the source of injuries due to gunshot wounds.

**Includes:** pistols, handguns, revolvers, rifles, shotguns, bombs torpedoes, grenades, missiles, rockets, artillery shells

**Excludes:** recreational archery equipment (7639); bullets, pellets (782); taser guns, stun guns, electroshock guns (7832); knives (7124, 7125); air-powered and paint ball guns (784)

**Firearm, unspecified**

**Pistol, handgun, revolver**

**Rifle, shotgun**

**Explosive devices**

**Firearm, n.e.c.**

### Ammunition

This major group classifies those projectiles which are fired by a weapon.

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* Asterisks denote a summary level code not assigned to individual cases.
Includes: bullets; pellets; shot; shrapnel from explosives and bullets

Excludes: dynamite (1851); gunpowder (1853); fireworks (1854); firearms (781*)

783* Other law enforcement and self-defense equipment

7830 Other law enforcement and self-defense equipment, unspecified

7831 Batons, nightsticks
   Night sticks                                Billy club
   Blackjacks                                  Bludgeons
   Clubs                                       Numchucks

7832 Tasers, stun guns

7833 Tear gas, mace, pepper spray
   Bromobenzyl cyanide                         Ethyl iodoacetate
   Chloroacetophenone                         Lacrimogenic gas

7834 Handcuffs

7839 Law enforcement and self-defense equipment, n.e.c.

784 Air-powered guns, paintball guns
   BB guns

789 Firearms, law enforcement, and other self-defense equipment, n.e.c.

79* Other tools, instruments, and equipment

This major group classifies other tools, instruments, and equipment not previously classified.

Includes: clocks; cooking and eating utensils, except knives; firearms; health care and orthopedic equipment, n.e.c.; musical instruments; sewing notions, n.e.c.

Excludes: containers (21*); furniture and fixtures (22*); tool chests (2212); machinery (3*); mechanical jacks (347); parts and materials (4*); hoisting accessories (43*); machine, tool, and electric parts (44*); tool parts, accessories (443*); tarps (472); writing, drawing, and art supplies (762*)

790 Other tools, instruments, and equipment, unspecified

791 Clocks

*-Asterisks denote a summary level code not assigned to individual cases.
This source group classifies digital and analog alarm clocks, wall clocks and mantle clocks, as well as grandfather clocks. Included here are office clocks, cuckoo clocks, ships clocks, travel alarm clocks, and standing clocks.

*Includes:* cuckoo clocks, standing clocks, grandfather clocks, travel alarm clocks, office clocks, ship clocks, time clocks, hourglasses

*Excludes:* clock radios (3911); wrist and pocket watches (9123)

### 792 Cooking and eating utensils, except knives

- Bottle openers
- Forks
- Kitchen utensils
- Rolling pins

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Spatulas</td>
<td>Spoons</td>
</tr>
<tr>
<td>Skewers</td>
<td>Tongs</td>
</tr>
</tbody>
</table>

### 793* Musical instruments

This source group classifies all musical instruments and their associated parts and accessories, including music stands. Piano benches are classified in 2232 (Benches, workbenches, saw horses). Musical instrument cases are classified in 2159 (Luggage, handbags, n.e.c.).

#### 7930 Musical instrument, unspecified

#### 7931 Pianos, organs, keyboards

#### 7939 Musical instruments, n.e.c.

|-----------|--------|----------|-------|--------|--------|--------|-----------|---------|---------|-------|--------|-------------|---------|------------|-------|-------------|----------|----------|--------------------------------------------|-----------------------------------------------|----------------|-------|--------|------------|---------|-------|-----------|-------------|----------|--------|---------|------------|-------|

*- Asterisks denote a summary level code not assigned to individual cases.
Marimbas     Violins  
Musical instrument   Wind chimes  
accessories (e.g.    Xylophones  
  reeds, mouthpieces,  Zithers  
  stands, traps)  

794*  Sewing notions  

This source group classifies sewing notions which are commonly used to produce hand-sewn articles.  

Includes:  fabric pins, safety pins, sewing needles, thimbles  

Excludes:  hypodermic needles (7511)  

7940  Sewing notions, unspecified  
7941  Fabric pins, safety pins  
7942  Sewing needles  
7949  Sewing notions, n.e.c.  

795*  Fishing equipment  

This source group classifies fishing equipment, both commercial and recreational  

Includes:  lobster and crab pots, fishing hooks, fishing nets  

Excludes:  commercial fishing vessels (832)  

7950  Fishing equipment, unspecified  
7951  Recreational fishing equipment  
7952  Commercial fishing equipment  

Includes:  trawling nets  

7959  Fishing equipment, n.e.c.  

799  Tools, instruments, and equipment, n.e.c.  

This source group classifies other tools, instruments, and equipment not elsewhere classified.  

Includes:  candles, clothes hangers, lighters, climbing spurs, matches, combs, soap dispensers, curlers, stilts, fly swatters, tobacco pipes, geographical globes, umbrellas, safety cones, calculators—portable  

*-Asterisks denote a summary level code not assigned to individual cases.
Excludes: containers, furniture, and fixtures (2*); tool chests (2212); machinery (3*); mechanical jacks (347); parts and materials (4*); hoisting accessories (43*); machine, tool, and electric parts (44*); tool parts, accessories (443*); tarps (472)

*-Asterisks denote a summary level code not assigned to individual cases.
8*  VEHICLES

This division classifies vehicles that generally move on wheels, runners, water, or air. A vehicle serves the primary purpose of transporting people (e.g., automobiles, passenger trains), but it may serve as a means of carrying or transferring goods and materials (e.g., forklifts, wheelbarrows) or to pull other machinery (tractors). In addition, a vehicle may serve primarily as a recreational device (e.g., canoes, bicycles, jet skis, etc.). Vehicles for all modes of public, private, work-related, and recreational transportation are included in this division.

Machinery which are primarily used for agricultural, construction, logging, mining, manufacturing, and other processing purposes are classified in Division 3, Machinery.

A vehicle or piece of mobile equipment should be selected whenever the event is a transportation incident.

If a vehicle part that produces an injury is attached to the vehicle, then the entire vehicle should be listed as the source, unless the injury resulted from overexertion (such as pulling the cargo door of a tractor trailer), the incident involved a tractor/agricultural equipment combination, or the source of injury was a vehicle floor in a non-transportation incident.

If a vehicle part is known to be unattached and independent of a vehicle—or if it is probable that a vehicle is not involved in the injury—then that specific part should be listed as the source. Unattached vehicle and mobile equipment parts are classified in major group 48 (Vehicle and mobile equipment parts). Unattached trailers are classified in source group 483 (Trailers). Unattached vehicle windshields and windows are classified in source group 484 (Windshields, vehicle windows). Unattached rail cars are included in 8244.

Includes: air vehicles; rail vehicles and rail cars; water vehicles; motorized highway vehicles; nonmotorized highway vehicles; off-road vehicles including powered plant and industrial vehicles; tractors; nonpowered plant and industrial vehicles

Excludes: machinery (3*); agricultural and garden machinery (31*); construction, logging, and mining machinery (32*); material and personnel handling machinery (34*); ski lifts (3481); unattached vehicle and mobile equipment parts (48*); vehicle doors, liftgates, tailgates (485*)

80  Vehicle, unspecified

81*  Aircraft

This major group classifies fixed- and rotary-winged aircraft. The aircraft may be

*-Asterisks denote a summary level code not assigned to individual cases.
designed for public, private, or military use.

An air vehicle code should be selected as either the source or secondary source whenever the event is an aircraft incident.

Includes: powered fixed wing aircraft; powered rotary wing aircraft; non-powered aircraft; spacecraft

810 Aircraft unspecified

811* Airplanes—powered fixed wing

This source group classifies aircraft which is supported by a fixed wing structure. The airplane can be jet engine or propeller powered.

Includes: turbine or piston type aircraft, planes

Excludes: helicopters (8121); nonpowered gliders (8131)

8110 Airplane—powered fixed wing, unspecified

8111 Airplane—jet or turbine engine

Includes: turbojets, turboprops, commercial jet, jet aircraft

8112 Airplane—propeller-driven or piston engine

Includes: light aircraft, general aviation aircraft, and crop dusters unless specified otherwise

8119 Airplane—powered fixed wing, n.e.c

812* Aircraft—powered rotary wing

This source group classifies aircraft which is supported by a rotary wing. The aircraft can be rotary wing only or a combination of rotary wing and jet propulsion.

Includes: helicopters; tiltrotor aircraft

Excludes: turbine airplanes (8111), piston airplanes (8112)

8120 Aircraft—powered rotary wing, unspecified

8121 Helicopter

Includes: air ambulances, unless otherwise specified; tiltrotor aircraft

*-Asterisks denote a summary level code not assigned to individual cases.
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8129</td>
<td>Aircraft—powered rotary wing, n.e.c</td>
</tr>
<tr>
<td>813*</td>
<td>Aircraft—nonpowered</td>
</tr>
<tr>
<td></td>
<td>This source group classifies aircraft that glide or float without some type of power source, such as jet propulsion, propellers, or hot air.</td>
</tr>
<tr>
<td></td>
<td>Includes: nonpowered gliders; parachutes</td>
</tr>
<tr>
<td></td>
<td>Excludes: jets (8111), propeller airplanes (8112), helicopters (8121), hot air balloons (819), dirigibles (819)</td>
</tr>
<tr>
<td>8130</td>
<td>Aircraft—nonpowered, unspecified</td>
</tr>
<tr>
<td>8131</td>
<td>Glider, hang glider—nonpowered</td>
</tr>
<tr>
<td>8132</td>
<td>Parachute</td>
</tr>
<tr>
<td>8139</td>
<td>Aircraft—nonpowered, n.e.c</td>
</tr>
<tr>
<td>819</td>
<td>Aircraft, n.e.c</td>
</tr>
<tr>
<td></td>
<td>This category classifies aircraft which are not previously classified.</td>
</tr>
<tr>
<td></td>
<td>Includes: hot-air balloons, dirigibles, spacecraft</td>
</tr>
<tr>
<td>82*</td>
<td>Rail vehicles</td>
</tr>
<tr>
<td></td>
<td>This major group classifies mass transit and freight vehicles operating above and below ground. If the injury is a confined space injury, that is if an injury occurs inside a tanker rail car resulting from entrapment or hazardous atmospheric conditions, use code 6189, vehicle confined space, n.e.c.</td>
</tr>
<tr>
<td>820</td>
<td>Rail vehicle, unspecified</td>
</tr>
<tr>
<td>821</td>
<td>Amusement park rail vehicle</td>
</tr>
<tr>
<td></td>
<td>If it is not known whether the ride is a rail or nonrail vehicle, code 3482.</td>
</tr>
<tr>
<td></td>
<td>Includes: monorail rides, roller coasters, other rides traveling on rails</td>
</tr>
<tr>
<td></td>
<td>Excludes: aerial gondola rides (3481); Ferris wheel and other nonrail amusement rides, except aerial gondola rides (3482)</td>
</tr>
<tr>
<td>822</td>
<td>Streetcar, trolley, cable car, light rail</td>
</tr>
<tr>
<td>823</td>
<td>Subway, elevated train</td>
</tr>
<tr>
<td>824*</td>
<td>Train, locomotive, rail car</td>
</tr>
<tr>
<td>8240</td>
<td>Train, locomotive, rail car, unspecified</td>
</tr>
</tbody>
</table>

*Asterisks denote a summary level code not assigned to individual cases.*
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8241</td>
<td>Freight train</td>
</tr>
<tr>
<td>8242</td>
<td>Passenger train, heavy rail</td>
</tr>
<tr>
<td>8243</td>
<td>Locomotive—unattached to rail car(s)</td>
</tr>
<tr>
<td>8244</td>
<td>Rail car(s)—unattached to locomotive</td>
</tr>
<tr>
<td>8249</td>
<td>Train, locomotive, rail car, n.e.c.</td>
</tr>
<tr>
<td>825</td>
<td>Rail-mounted construction, cleaning, maintenance machine</td>
</tr>
<tr>
<td></td>
<td>Includes: rail-mounted machinery for construction, cleaning, and maintenance of rail lines; highway vehicles outfitted with railroad wheels while running on rails</td>
</tr>
<tr>
<td></td>
<td>Excludes: nonrail-mounted construction equipment used in railroad, construction, cleaning, maintenance (3*); rail-mounted cranes (3432)</td>
</tr>
<tr>
<td>826</td>
<td>Industrial, mining rail vehicle</td>
</tr>
<tr>
<td></td>
<td>This code includes all rail vehicles used to transport goods and materials within an industrial or mine site.</td>
</tr>
<tr>
<td></td>
<td>Excludes: heavy rail passenger train (8242), freight train (8241)</td>
</tr>
<tr>
<td>829</td>
<td>Rail vehicle, n.e.c.</td>
</tr>
<tr>
<td>83*</td>
<td>Water vehicles</td>
</tr>
<tr>
<td></td>
<td>This major group classifies water vehicles used for transporting people or materials, for commercial fishing, or for recreational purposes. Use code 835 if it is unknown whether a yacht was under sail or motor power at the time of the incident.</td>
</tr>
<tr>
<td></td>
<td>Includes: powered and nonpowered water vessels; water taxis</td>
</tr>
<tr>
<td></td>
<td>Excludes: barge-mounted cranes, floating cranes (3433)</td>
</tr>
<tr>
<td>830</td>
<td>Water vehicle, unspecified</td>
</tr>
<tr>
<td>831</td>
<td>Barge</td>
</tr>
<tr>
<td>832</td>
<td>Commercial fishing vessel</td>
</tr>
<tr>
<td></td>
<td>Commercial fishing boats</td>
</tr>
<tr>
<td>833</td>
<td>Tugboat, towboat</td>
</tr>
</tbody>
</table>

*Asterisks denote a summary level code not assigned to individual cases.*
SOURCE

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>834</td>
<td>Cargo ship, freighter, passenger liner, ship, excluding sail-powered</td>
</tr>
<tr>
<td>835</td>
<td>Motorboat, motorized yacht</td>
</tr>
<tr>
<td></td>
<td>Water taxi</td>
</tr>
<tr>
<td>836</td>
<td>Sailboat</td>
</tr>
<tr>
<td></td>
<td>Sail-based yacht</td>
</tr>
<tr>
<td>837</td>
<td>Rowboat, kayak, canoe</td>
</tr>
<tr>
<td>838</td>
<td>Raft, floating dock</td>
</tr>
<tr>
<td>839</td>
<td>Water vehicle, n.e.c</td>
</tr>
<tr>
<td></td>
<td>Jet skis</td>
</tr>
<tr>
<td></td>
<td>Hovercraft</td>
</tr>
<tr>
<td>84*</td>
<td>Highway vehicles, motorized</td>
</tr>
<tr>
<td></td>
<td>This major group classifies vehicles which are operated primarily on highways and other public roadways and used for transportation, hauling, delivering, and emergencies. If it is unknown whether a vehicle is being used to carry passengers or cargo, use the first code in the list. For example, if source documents say “van,” code as 8415.</td>
</tr>
<tr>
<td></td>
<td>Includes: automobiles; buses; motorcycles, mopeds, dirt bikes; motor homes, recreational vehicles; trucks; vans</td>
</tr>
<tr>
<td></td>
<td>Excludes: nonmotorized highway vehicles such as bicycles (851); horse-drawn carriages (852); off-road vehicles such as forklifts (8621); tractors (863*); golf carts (8612)</td>
</tr>
<tr>
<td>840</td>
<td>Highway vehicle, motorized, unspecified</td>
</tr>
<tr>
<td>841*</td>
<td>Passenger vehicles—automobiles, buses, and passenger vans</td>
</tr>
<tr>
<td></td>
<td>This source group classifies vehicles that are used primarily for transporting passengers. Vehicles for transporting goods and materials are in source group 842. Vans that are not specified as either passenger or cargo should be coded as 8415, passenger van.</td>
</tr>
<tr>
<td></td>
<td>Excludes: trucks (842*), pickup trucks and SUV’s (843*)</td>
</tr>
<tr>
<td>8410</td>
<td>Passenger vehicle, unspecified</td>
</tr>
<tr>
<td>8411</td>
<td>Ambulance, police, and other emergency passenger vehicle</td>
</tr>
<tr>
<td></td>
<td>Includes: squad car, cruiser, patrol car, police car, ambulance</td>
</tr>
<tr>
<td>8412</td>
<td>Taxi</td>
</tr>
</tbody>
</table>

*Asterisks denote a summary level code not assigned to individual cases.*
This code includes automobiles, vans, SUVs, and limos used as taxis. Airport shuttles are also included here.

Excludes: animal-powered taxi (85*), pedicab (851); water taxi (835); air taxi (81*)

**8413 Automobile**

Includes: car, limousine, unspecified automobile or car

Excludes: taxi (8412), police car (8411), rail car (8244), racecar (8613); armored car (8429)

**8414 Bus**

Includes: transit bus, tour or charter bus, school bus, intercity bus

**8415 Passenger van**

Excludes: cargo and delivery van (8426), courtesy airport van (8412), taxi (8412)

**8416 Motorcycle, moped, dirt bike**

Includes: motor bike, motor scooter

**8417 Motor home, RV**

Includes: recreational vehicle (RV)

Excludes: mobile home (6254), semi-permanent trailer home (6254), manufactured home (6254)

**8419 Passenger vehicle, n.e.c**

**842* Trucks—motorized freight hauling and utility**

This source group classifies trucks which are commonly used for transporting, hauling, and delivering goods and materials. Delivery trucks are straight or box trucks that are typically used to deliver such items as parcels, beverages, oil, linens, and furniture. Straight and box trucks used for other purposes besides delivering goods are also included in code 8426. Delivery and cargo vans are coded in 8426. Semitrailers that are used for delivering automobiles or other items are coded 8421.

* Asterisks denote a summary level code not assigned to individual cases.
Includes: delivery (box) trucks; dump trucks; semitrailers, tractor trailers, trailer trucks; boom trucks; cherry pickers unless known to be non truck-mounted; dump trucks; garbage trucks; fire trucks; delivery trucks and vans; cement trucks; tow trucks; armored trucks; snow plows

Excludes: street sweepers (894); forklifts (8621); tractors (863*); hand trucks (871); passenger vans (8415); non truck-mounted aerial lifts (3467); pickup trucks (8431); SUVs (8432)

8420 Truck—motorized freight hauling and utility, unspecified

Includes: truck, unspecified

8421 Semi, tractor-trailer, tanker truck

Includes: tanker trucks, flatbed trucks—except straight trucks, logging trucks, car haulers

Excludes: fire trucks (8425)

8422 Boom truck, bucket or basket hoist truck

Includes: utility bucket trucks; cherry-pickers, unless known to be non-truck-mounted

Excludes: non-truck-mounted aerial lifts (3467); non-truck-mounted cherry pickers (3469)

8423 Dump truck

8424 Garbage, recycling, or refuse truck

8425 Fire truck, other emergency equipment truck

Includes: hazmat trucks, SWAT trucks, emergency equipment haulers

Excludes: emergency passenger vehicles (8411)

8426 Delivery truck or van

Includes: box trucks, straight trucks, postal delivery trucks, cargo vans, delivery vans

Excludes: SUV’s, sports utility vehicles (8432); pickup trucks used for deliveries (8431); passenger vans (8415)

*Asterisks denote a summary level code not assigned to individual cases.*
8427  Cement truck, concrete mixer truck
8428  Tow truck

8429  Truck—motorized freight hauling and utility, n.e.c

*Includes*: armored cars, armored trucks, snow plows

*Excludes*: armored personnel carriers (891); tanks (892); Humvees (893)

843* Multi-purpose highway vehicles

This source category includes vehicles that can be used either for transport of passengers or of goods and materials as their primary function.

*Excludes*: SUV’s used as taxis (8412)

8430  Multi-purpose highway vehicle, unspecified
8431  Pickup truck

8432  SUV, sports utility vehicle

*Includes*: 4-wheel drive vehicles, jeeps

*Excludes*: SUV’s used as taxis (8412)

8439  Multi-purpose highway vehicle, n.e.c.

849  Highway vehicle, motorized, n.e.c.

85* Animal- and human- powered vehicles

This source group classifies animal- or human- powered highway vehicles, as well as other non-motorized highway vehicles.

*Includes*: horse-drawn carriages; bicycles—road and mountain, pedal cycles

*Excludes*: motorized highway vehicles (84*), nonpowered plant and industrial vehicles (87*), horses being ridden (5154)

850  Animal- or human- powered vehicle, unspecified

851  Bicycle, pedal cycle

*Includes*: unicycle, pedicab, bicycle rickshaw, road bicycle, mountain bicycle

*-Asterisks denote a summary level code not assigned to individual cases.
852 Horse-drawn carriage, buggy
853 Animal-powered wagon
859 Animal- or human-powered vehicle, n.e.c.

86* Off-road and industrial vehicles—powered

This major group classifies off-road vehicles that are primarily used for transportation in nonroadway areas, such as on farms, industrial premises, and recreational areas.

*Includes:* all terrain vehicles (ATV's); powered golf carts; snowmobiles; motorized scooters, except for mobility scooters

*Excludes:* motorcycles, dirt bikes (8416); jeeps, four-wheel drive trucks, sports utility vehicles (8432); mountain bicycles (851); wheelchairs and mobility scooters (753*)

860 Off-road or industrial vehicle—powered, unspecified

861* Off-road passenger vehicles—powered

This source group classifies vehicles used for transporting passengers in nonroadway areas.

8610 Off-road passenger vehicle—powered, unspecified
8611 ATV, all terrain vehicle
8612 Golf cart, personnel transport cart
8613 Racecar
8614 Snowmobile

8619 Off-road passenger vehicles—powered, n.e.c

*Includes:* Segways™

*Excludes:* wheelchairs and mobility scooters (753*), mopeds and motor scooters (8416)

862* Industrial vehicles, material hauling and transport—powered

This group classifies forklifts, powered industrial carriers, and industrial vehicles which are used for carrying and transporting heavy materials in primarily nonroadway areas.

*Includes:* forklifts; powered industrial carriers; airport utility vehicles; powered pallet jacks

*Asterisks denote a summary level code not assigned to individual cases.*
Excludes: tractors and power take-offs (863*); product assembly robots (392)

8620 Industrial vehicle, material hauling and transport—powered, unspecified

8621 Forklift, order picker, platform truck—powered

Includes: tow motors, lift trucks, skid steers with forklift attachment

8622 Powered industrial carrier

Includes: container, lumber, stacker, and straddle carriers

8623 Pallet jack—powered

Includes: motorized pallet jacks—riding or hand

Excludes: nonpowered pallet jacks (872); jacks, other than pallet (347)

8624 Airport utility vehicle—powered

Includes: powered luggage trucks or trains, powered airplane tugs

8629 Industrial vehicle, material hauling and transport—powered, n.e.c

863* Tractors, PTOs

This source group classifies tractors which are commonly used for towing agricultural and hauling implements. Power take-offs (PTOs) connecting tractors to another piece of equipment are coded here.

Incidents resulting solely from the equipment attached to the tractor, such as being caught in a baler, should be coded to the specific equipment involved. Incidents in which the worker falls from a moving tractor and is struck by the equipment being pulled are coded with the tractor as the source and the attached equipment as the secondary source.

Includes: farm, industrial, and construction tractors; power take-offs

Excludes: haying machines (3123); tractor-mowers (3123); hay mowers (3123); brush hogs (3123); loaders (322*); semi tractor trailers (8421)

*Asterisks denote a summary level code not assigned to individual cases.
SOURCE

8630 Tractor, unspecified
8631 Farm tractor
8632 Construction tractor
8633 Industrial tractor
8634 Power take-off (PTO)
8639 Tractor, n.e.c.

869 Off-road or industrial vehicle—powered, n.e.c

87* Plant and industrial vehicles—nonpowered

This source group classifies nonpowered plant and industrial vehicles (and other wheeled equipment) used for transporting and hauling payloads.

Includes: nonpowered carts, dollies, and hand trucks (871); nonpowered shopping carts (875); nonpowered wheelbarrows (874); nonpowered pallet jacks (872)

Excludes: motorized shopping carts and mobility scooters (7532); powered plant and industrial vehicles (86*)

870 Plant and industrial vehicle—nonpowered, unspecified

871 Cart, dolly, hand truck—nonpowered

Includes: laundry cart; nonpowered platform cart

Excludes: nonpowered shopping cart or grocery carriage (875); motorized shopping carts (7532)

872 Pallet jack—nonpowered

Includes: nonmotorized pallet jack

873 Wagon

Includes: tobacco wagon, hay wagon, sales wagon

Excludes: animal-drawn wagon (853)

874 Wheelbarrow

875 Shopping cart, grocery carriage—nonpowered

879 Plant and industrial vehicle—nonpowered, n.e.c

89* Other vehicles

This category includes vehicles that are not elsewhere classified, including

*-Asterisks denote a summary level code not assigned to individual cases.
military vehicles.

890 Other vehicles, unspecified
891 Armored personnel carrier
892 Tank
893 Humvee
894 Street sweeping and cleaning machinery

899 Vehicle, n.e.c

   Zamboni

*-Asterisks denote a summary level code not assigned to individual cases.
**OTHER SOURCES**

This division classifies sources of injuries and illness that are not classified in the previous divisions. Classified here are apparel and textiles; environmental and elemental conditions; paper, books, magazines; scrap, waste, debris; steam, vapors, liquids, ice; and other sources n.e.c.

*Includes:* apparel and textiles; environmental and elemental conditions; paper, books, magazines; scrap, waste, debris; steam, vapors, liquids, and ice

*Excludes:* (See individual major groups)

**90 Other sources, unspecified**

**91* Apparel and textiles**

This major group classifies clothing apparel and accessories, regardless of fabric type. Jewelry, watches, eye glasses; textiles; laundry; and linens are included.

*Includes:* clothing and shoes; eye glasses, jewelry, and watches; textiles; laundry; linens

*Excludes:* unprocessed fur, wool, and leather (521*); hard hats (774); safety glasses or goggles (777); snow skis (7637); ice skates (7637); roller skates (7639); tool belts (2157); laundry bags (2111); laundry baskets (2115); laundry bins (2118); laundry hampers (2119)

**910 Apparel and textiles, unspecified**

**911* Clothing and shoes**

This source group classifies all products and apparel that clothe the human body regardless of fabric type. This category includes most protective clothing, including aprons, gloves (except latex), and safety shoes. Safety glasses and goggles are coded in 777. Hard hats are coded in 774.

*Includes:* belts, gloves, neckties, scarves; blouses shirts, dresses, trousers, skirts; hats, caps; shoes, boots, slippers, sandals; suits, coats, jackets

*Excludes:* fur, wool, and leather (521*); hard hats (774); snow skis (7637); ice skates (7637); water skis (7638); inline and roller skates (7639); eye glasses (9121); safety glasses and goggles (777); latex gloves (754); ID badge lanyards (9122)

*Asterisks denote a summary level code not assigned to individual cases.*
9110 Clothing, unspecified

9111 Belts, gloves, neckties, scarves

   Excludes: latex gloves (754); tool belts (2157); safety belts (775)

9112 Blouses, shirts, dresses, trousers, skirts

9113 Hats, caps

9114 Shoes, boots, slippers, sandals

9119 Clothing, n.e.c.

   Aprons
   Bathing suits
   Briefs
   Diving suits
   Lingerie
   Nightgowns
   Nightshirts
   Pajamas
   Swimsuits

912* Eye glasses, jewelry, and watches

   Includes: eye glass chains (9122), ID badge lanyards (9122)

   Excludes: safety glasses and goggles (777)

9120 Eye glasses, jewelry, and watches, unspecified

9121 Eye glasses, sunglasses

9122 Jewelry, ID badge lanyards

   Diamond jewelry
   Earrings
   Gold jewelry
   Eye glass chains

9123 Watches

913* Textiles

This source group classifies all fabrics, synthetic and natural, whether
woven, knitted, felted, bonded, or crocheted.

   Includes: fabric; yarn, thread; cloth

   Excludes: bolts or rolls of fabric (2133); floor, wall, window
   coverings (222); beds, mattresses (2231); textile, apparel,
   leather production machinery (376*); clothing and shoes
   (911*); sheets, towels, linens, bedding (915); unprocessed
   fur, wool, and leather hides (521*)

*-Asterisks denote a summary level code not assigned to individual cases.
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>9130</td>
<td>Textiles, unspecified</td>
</tr>
<tr>
<td>9131</td>
<td>Fabric</td>
</tr>
<tr>
<td></td>
<td>Cloth</td>
</tr>
<tr>
<td>9132</td>
<td>Yarn, thread</td>
</tr>
<tr>
<td>9139</td>
<td>Textiles, n.e.c.</td>
</tr>
<tr>
<td>914</td>
<td>Laundry</td>
</tr>
<tr>
<td></td>
<td>This source includes loose laundry items not contained in a bag or bin. Laundry bags are in 2111, laundry baskets 2115, laundry bins 2118, and laundry hampers 2119.</td>
</tr>
<tr>
<td>915</td>
<td>Sheets, towels, linens, bedding</td>
</tr>
<tr>
<td></td>
<td><em>Includes</em>: blankets, comforters, tablecloths, napkins, face cloths, wash cloths</td>
</tr>
<tr>
<td></td>
<td><em>Excludes</em>: beds, mattresses, and box springs (2231); air mattresses (7634)</td>
</tr>
<tr>
<td>919</td>
<td>Apparel and textiles, n.e.c.</td>
</tr>
<tr>
<td></td>
<td>This source group classifies apparel and textiles not elsewhere classified.</td>
</tr>
<tr>
<td>92*</td>
<td>Environmental and elemental conditions</td>
</tr>
<tr>
<td></td>
<td>This major group classifies conditions of the environment such as air pressure, temperature, and other atmospheric conditions, as well as events such as natural disasters. <strong>Select weather and atmospheric conditions or geological events (floods, earthquakes, avalanches) as the source of injury when that is the only possible source identified.</strong> Code 9252, waves, surges, rough seas, includes high waves, hurricane storm surges, and tidal waves. If a hurricane caused the damage rather than a storm surge, code in 9277.</td>
</tr>
<tr>
<td></td>
<td><em>Includes</em>: air pressure; avalanche, mudslide; earthquake; fire, flame, smoke; flooding; environmental temperature extremes; weather and atmospheric conditions; noise, sun, welders’ flash, indoor air quality</td>
</tr>
<tr>
<td>920</td>
<td>Environmental and elemental conditions, unspecified</td>
</tr>
<tr>
<td>921*</td>
<td>Air pressure</td>
</tr>
<tr>
<td></td>
<td>This source group classifies abnormal environmental air pressure conditions as well as pressurized air. Low pressure refers to rarefied air at</td>
</tr>
</tbody>
</table>

* Asterisks denote a summary level code not assigned to individual cases.
extreme elevations. Blasts of pressurized air and water are coded in 9213 and 9254, respectively. Water pressure, such as that encountered in caisson work and deep diving, is coded in 9253.

**9210** Air pressure, unspecified  
**9211** Atmospheric pressure—high or low  
**9212** Pressurized air—environmental  
**9213** Pressurized air—blast  
**9219** Air pressure, n.e.c.

**922** Avalanche, mudslide  
**923** Earthquake  

**924** Fire, flame, smoke

This source group classifies fire, flame, smoke, and fire gases. When an injury or illness is inflicted by hot objects or substances, code the specific object or substance.

*Includes:* fire, flame, smoke, fire gases  
*Excludes:* welding fumes (147)

**9240** Fire, flame, smoke, unspecified  
**9241** Fire, flame  
**9242** Tobacco smoke  
**9243** Smoke, fire gases, n.e.c.

**9248** Multiple fire, flame, smoke  
*Fire and smoke combined*

**925** Flooding and other water sources

*Includes:* floods; waves, storm surges, and rough seas; water pressure; blasts of pressurized water  
*Excludes:* rain (9275); water on floor (9521); natural bodies of water (673*); rough seas associated with tornados, hurricanes, typhoons, or tropical storms (9277)

**9250** Flooding and other water sources, unspecified  
**9251** Flooding  
**9252** Waves, surges, rough seas  
**9253** Water pressure—high or low  
**9254** Pressurized water—blast  
**9259** Flooding and other water sources, n.e.c.

*-*Asterisks denote a summary level code not assigned to individual cases.
926*  Temperature extremes—environmental

This source group classifies atmospheric and environmental temperature extremes—either indoors or outdoors. Codes in this category are used primarily in instances of heat stroke, heat exhaustion, hypothermia, etc.

Excludes: fire, flame, smoke (924*); ice, sleet, snow (9273); hot or cold objects

9260  Temperature extremes—environmental, unspecified
9261  Cold—environmental
9262  Heat—environmental

927*  Weather and atmospheric conditions

This source group classifies weather and atmospheric conditions. If rain or high winds are a result of a hurricane or tornado, code the hurricane or tornado as the source. When the injury results from a weather condition, but is inflicted by another specific source, code the specific source. For example, if high winds result in blowing sawdust which irritates the employee’s eyes, the sawdust should be coded as the source.

Excludes: air pressure (921*); avalanche (922); earthquake (923); flooding (9251); hot and cold environmental temperature extremes (926*); sun (9292); waves, surges, rough seas—except those occurring during tornado, hurricane, typhoon (9252); ice chips, cubes, and blocks (953); ice on freezer floor (953)

9270  Weather and atmospheric conditions, unspecified
9271  Fog
9272  High winds, gusts, turbulence

9273  Ice, sleet, snow
   Icicle

9274  Lightning
9275  Rain
9276  Smog, poor outdoor air quality

9277  Tornado, hurricane, typhoon
   Tropical storm

9278  Multiple weather and atmospheric conditions
   Rain and fog combined

*-Asterisks denote a summary level code not assigned to individual cases.
9279  Weather and atmospheric conditions, n.e.c.

929*  Other environmental and elemental conditions

Includes: noise, sun, welder’s flash, UV light, microwaves, poor air quality, oxygen deficiency

Excludes: smog (9276); environmental heat (9262)

9291  Noise

9292  Sun

9293  Welders’ flash

9294  Other ultraviolet (UV) light

This code is used for tanning bed lights, sun lamps, and mercury and xenon arc lamps, such as those used in fluorescence microscopy. Sunlight is coded in 9292 and welders’ flash in 9293.

9295  Microwaves

Excludes: microwave ovens (3326)

9296  Poor indoor air quality

9297  Oxygen-deficient environment

9299  Environmental and elemental conditions, n.e.c.

93*  Paper, books, magazines

This major group classifies paper and paper products such as books and magazines. It also includes unbound stacks of paper.

Excludes: containers (2*); rolls of paper (2133); photographic paper (7612); cardboard and paperboard (474); cardboard boxes (2114)

930  Paper, books, magazines, unspecified

931  Books, notebooks, magazines, catalogues

932  Paper, sheets

Stacks of paper

933  Binders, files, charts

Medical charts File folders

939  Paper, books, magazines, n.e.c.

File cards Playing cards
Newspaper Newsprint (except rolls)

*-Asterisks denote a summary level code not assigned to individual cases.
**SOURCE**

94* Scrap, waste, debris

This major source group classifies discarded fragments such as ashes, garbage, sewage, etc.; as well as other dirt, glass, metal, wood, rubber, or unidentified particles.

*Includes:* chips, particles, splinters; sewage; construction debris; trash, garbage; scrap metal

*Excludes:* chemical metallic particulates, trace elements, dusts, powders, fumes (14*); molten or hot metals, slag (452); metallic minerals (54*); nonmetallic minerals, except fuel (55*)

940 Scrap, waste, debris, unspecified

941* Chips, particles, splinters

9410 Chips, particles, splinters, unspecified

9411 Dirt particles and dust from dirt, debris

*Includes:* unspecified dust

*Excludes:* grain dust (5891), coal dust (161), silica dust (558), asbestos dust (551), wood dust, sawdust (9414)

9412 Broken glass, glass chips, or fibers

This code should be used if a worker is injured when handling broken glass. If a glass breaks and the worker is burned by hot contents of the glass, code the hot liquid as the source and glass as the secondary source. Injuries from glass splinters are also included in this category.

9413 Metal chips, particles

*Includes:* steel shots (non-ammunition); shrapnel from metal sources other than explosives or bullets; metal splinters

*Excludes:* shrapnel from ammunition or explosive devices (782); scrap metal (945); metal slag (452)

9414 Wood chips, sawdust

*Includes:* wood chips and particles, wood dust

*-Asterisks denote a summary level code not assigned to individual cases.*


Includes: wood splinters (9415)

9415 Wood splinters
9416 Plastic chips, particles

9419 Chips, particles, splinters, n.e.c.
 Broken dishes, excluding glasses

942 Sewage
943 Construction debris
944 Trash, garbage
945 Scrap metal

949 Scrap, waste, debris, n.e.c.
 Rubble, except construction
 Ashes
 Concrete pieces
 Embers

95* Other steam, vapors, liquids, ice

This major group classifies water, steam, water vapor, and other liquids and vapors not elsewhere classified. Cleaning agents and other chemical fluids and vapors are found in Chemicals (1*).

Includes: nonchemical steam, vapors; liquids, water

Excludes: rain (9275); water pressure changes occurring during diving (9253); blast of pressurized water (9254); flood (9251); chemicals and chemical products and fumes (Division 1*)

950 Steam, vapor, liquids, ice, unspecified

951 Steam, vapors—nonchemical

This code classifies water that is converted into vapor or gas by being heated to the boiling point, and water vapor kept under pressure so as to supply energy for heating, cooking, or mechanical work.

952* Liquids—nonchemical

This source group classifies water with temperature above the freezing point and at or below the boiling point, and liquids not elsewhere classified. If a worker slips and falls due to an unknown liquid or the narrative states “wet floor,” code 9520, liquids, unspecified. If the liquid is known, such as a fall on spilt juice, code the liquid, beverages (5224).

9520 Liquids, unspecified

-Asterisks denote a summary level code not assigned to individual cases.
SOURCE

9521 Water

*Excludes:* rain (9275); water pressure changes occurring during diving (9253); blast of pressurized water (9254); flood (9251)

9529 Liquids, n.e.c.

*Excludes:* soups, sauces, gravies (5222); cooking fats, oils (5221); beverages (5224); other food products (5229); cleaning products (183); mud (555); bodily fluids (578*); motor oil (164*); natural bodies of water (673*); pools (633); chemicals (1*)

953 Ice—blocks, cubes, crushed

*Includes:* ice cubes, block of ice, crushed ice, ice on freezer floor

*Excludes:* ice on road or sidewalk (9273), icicle (9273)

959 Steam, vapor, liquids, ice, n.e.c.

99 Source, n.e.c.

This code is used for sources not classified elsewhere in the source code structure. This code is also used for multiple objects or substances that are not in the same division, but only if the two objects or substances equally contribute to producing the injury.

*Cigarettes*                  *Contact lenses*

9999 Nonclassifiable

Use this code when the source as defined by the rules of selection is not known. This code is generally not used for secondary source.

*-Asterisks denote a summary level code not assigned to individual cases.