

| Gas name                                  | CAS number | Hazard class                                                               | Hazard category                                                   | Signal word | GHS pictogram(s)                       | Transportation label | Hazard statements                    | OSHA-required hazard statement | EPA-required hazard statement      | CGA-required hazard statements | Prec. statements: prevention                              | Prec. statements: response                                 | Prec. statements: storage | Prec. statements: disposal | OSHA-required precautionary statement | CGA-required precautionary statements                                |
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| 1,2-Dichlorohexafluorocyclobutane (RC316) | 356-18-3   | Gases under pressure<br>Simple asphyxiant                                  | Liquefied gas                                                     | Warning     | Gas cylinder                           | 2.2 Nonflammable Gas | H280                                 | OSHA-H01                       |                                    | CGA-HG01                       | P202<br>P262<br>P271+P403<br>P280                         | P304, P340,<br>P313<br>P302, P336,<br>P315                 |                           |                            | OSHA-PG01                             | CGA-PG02<br>CGA-PG05<br>CGA-PG06<br>CGA-PG10<br>CGA-PG12<br>CGA-PG27 |
| 1,2-Dichlorotetrafluoroethane (R114)      | 76-14-2    | Gases under pressure<br>Simple asphyxiant<br>Hazardous to the ozone layer  | Liquefied gas<br><br>Category 1                                   | Warning     | Gas cylinder<br>Exclamation mark       | 2.2 Nonflammable Gas | H280<br>H420                         | OSHA-H01                       | [EPA ODS – for domestic shipments] | CGA-HG01                       | P202<br>P262<br>P271+P403<br>P280                         | P304, P340,<br>P313<br>P302, P336,<br>P315                 |                           | P502                       | OSHA-PG01                             | CGA-PG02<br>CGA-PG05<br>CGA-PG06<br>CGA-PG10<br>CGA-PG12<br>CGA-PG27 |
| 1,3-Butadiene                             | 106-99-0   | Flammable gases<br>Gases under pressure<br>Carcinogenicity<br>Mutagenicity | Category 1<br><br>Liquefied gas<br><br>Category 1A<br>Category 1B | Danger      | Flame<br>Gas cylinder<br>Health hazard | 2.1 Flammable Gas    | H220<br>H280<br>H340<br>H350<br>H361 |                                |                                    | CGA-HG01<br>CGA-HG04           | P201<br>P202<br>P210<br>P261<br>P262<br>P271+P403<br>P280 | P308, P313<br>P377<br>P381<br>P302, P336,<br>P315          | P405                      | P501                       | OSHA-PG01                             | CGA-PG02<br>CGA-PG05<br>CGA-PG06<br>CGA-PG10<br>CGA-PG12<br>CGA-PG27 |
| 1-Butene                                  | 106-98-9   | Flammable gases<br>Gases under pressure<br>Simple asphyxiant               | Category 1<br><br>Liquefied gas                                   | Danger      | Flame<br>Gas cylinder                  | 2.1 Flammable Gas    | H220<br>H280                         | OSHA-H01                       |                                    | CGA-HG01<br>CGA-HG04           | P202<br>P210<br>P271+P403<br>P280                         | P377<br>P381<br>P304, P340,<br>P313<br>P302, P336,<br>P315 |                           |                            | OSHA-PG01                             | CGA-PG02<br>CGA-PG05<br>CGA-PG06<br>CGA-PG10<br>CGA-PG12<br>CGA-PG27 |

| Gas name                                  | CAS number | Hazard class                                                                                 | Hazard category                                   | Signal word | GHS pictogram(s)                                             | Transportation label | Hazard statements                            | OSHA-required hazard statement | EPA-required hazard statement      | CGA-required hazard statements | Prec. statements: prevention                                              | Prec. statements: response                                                           | Prec. statements: storage | Prec. statements: disposal   | OSHA-required precautionary statement | CGA-required precautionary statements                                |
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| 1-Chloro-1,1-difluoroethane (R142b)       | 75-68-3    | Flammable gases<br>Gases under pressure<br>Hazardous to the ozone layer<br>Simple asphyxiant | Category 1<br><br>Liquefied gas<br><br>Category 1 | Danger      | Flame<br>Gas cylinder<br>Exclamation mark                    | 2.1 Flammable Gas    | H220<br>H280<br>H420                         | OSHA-H01                       | [EPA ODS – for domestic shipments] | CGA-HG01<br>CGA-HG04           | P202<br>P210<br>P271+P403<br>P280                                         | P377<br>P381<br>P304, P340, P313<br>P302, P336, P315                                 |                           | P502                         | OSHA-PG01                             | CGA-PG02<br>CGA-PG05<br>CGA-PG06<br>CGA-PG10<br>CGA-PG12<br>CGA-PG27 |
| 1-Chloro-1,2,2,2-tetrafluoroethane (R124) | 2837-89-0  | Gases under pressure<br>Simple asphyxiant<br>Hazardous to the ozone layer                    | Liquefied gas<br><br>Category 1                   | Warning     | Gas cylinder<br>Exclamation mark                             | 2.2 Nonflammable Gas | H280<br>H420                                 | OSHA-H01                       | [EPA ODS – for domestic shipments] | CGA-HG01                       | P202<br>P262<br>P271+P403<br>P280                                         | P304, P340, P313<br>P302, P336, P315                                                 |                           | P502                         | OSHA-PG01                             | CGA-PG02<br>CGA-PG05<br>CGA-PG06<br>CGA-PG10<br>CGA-PG12<br>CGA-PG27 |
| 1-Chloro-2,2,2-trifluoroethane (R133a)    | 75-88-7    | Gases under pressure<br>Simple asphyxiant<br>Hazardous to the ozone layer                    | Liquefied gas<br><br>Category 1                   | Warning     | Gas cylinder<br>Exclamation mark                             | 2.2 Nonflammable Gas | H280<br>H420                                 | OSHA-H01                       | [EPA ODS – for domestic shipments] | CGA-HG01                       | P202<br>P262<br>P271+P403<br>P280                                         | P304, P340, P313<br>P302, P336, P315                                                 |                           | P502                         | OSHA-PG01                             | CGA-PG02<br>CGA-PG05<br>CGA-PG06<br>CGA-PG10<br>CGA-PG12<br>CGA-PG27 |
| 2,2-Dimethylpropane (Neopentane)          | 463-82-1   | Flammable gases<br>Gases under pressure<br>Simple asphyxiant<br>Chronic aquatic toxicity     | Category 1<br><br>Liquefied gas<br><br>Category 2 | Danger      | Flame<br>Gas cylinder<br>[Environment - for intl. shipments] | 2.1 Flammable Gas    | H220<br>H280<br>[H411 - for intl. shipments] | OSHA-H01                       |                                    | CGA-HG01<br>CGA-HG04           | P202<br>P210<br>P262<br>P271+P403<br>P280<br>[P273 - for intl. shipments] | P377<br>P381<br>[P391 – for intl. shipments]<br>P304, P340, P313<br>P302, P336, P315 |                           | [P501 – for intl. shipments] | OSHA-PG01                             | CGA-PG02<br>CGA-PG05<br>CGA-PG06<br>CGA-PG10<br>CGA-PG12<br>CGA-PG27 |

| Gas name          | CAS number | Hazard class                                                                                                           | Hazard category                                                                    | Signal word | GHS pictogram(s)                           | Transportation label | Hazard statements                     | OSHA-required hazard statement | EPA-required hazard statement | CGA-required hazard statements | Prec. statements: prevention                                                                              | Prec. statements: response                                                                                                                                | Prec. statements: storage | Prec. statements: disposal | OSHA-required precautionary statement | CGA-required precautionary statements                                                                    |
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| 2-Butene          | 590-18-1   | Flammable gases<br>Gases under pressure<br>Simple asphyxi-ant                                                          | Category 1<br><br>Liquefied gas                                                    | Danger      | Flame<br>Gas cylinder                      | 2.1 Flammable Gas    | H220<br>H280                          | OSHA-H01                       |                               | CGA-HG01<br>CGA-HG04           | P202<br>P210<br>P271+P403                                                                                 | P377<br>P381<br>P304, P340,<br>P313<br>P302, P336,<br>P315                                                                                                |                           |                            | OSHA-PG01                             | CGA-PG02<br>CGA-PG05<br>CGA-PG06<br>CGA-PG10<br>CGA-PG12<br>CGA-PG27                                     |
| 3-Methyl-1-butene | 563-45-1   | Flammable liquid<br><br>Skin irritant<br><br>Eye irritant<br><br>Aspiration hazard<br>STOT SE dizziness/<br>drowsiness | Category 1<br><br>Category 2<br><br>Category 2<br><br>Category 1<br><br>Category 3 | Danger      | Flame<br>Exclamation mark<br>Health hazard | 3 Flammable Liquid   | H224<br>H315+<br>H319<br>H304<br>H336 |                                |                               | CGA-HG04                       | P202<br>P210<br>P233<br>P235<br>P240<br>P241<br>P242<br>P243<br>P261<br>P262<br>P264<br>P271+P403<br>P280 | P377<br>P381<br>P304, P340,<br>P312<br>P305, P351,<br>P338, P313<br>P337, P313<br>P332, P313<br>P301, P331,<br>P310<br>P303, P361,<br>P363, P353,<br>P313 | P405<br><br>P501          |                            | OSHA-PG01                             | CGA-PG05<br>CGA-PG06<br>CGA-PG12<br>CGA-PG27                                                             |
| Acetylene         | 74-86-2    | Flammable gases<br>Gases under pressure<br>Simple asphyxi-ant                                                          | Category 1<br><br>Dissolved gas                                                    | Danger      | Flame<br>Gas cylinder                      | 2.1 Flammable Gas    | H220<br>H231<br>H280                  | OSHA-H01                       |                               | CGA-HG04                       | P210<br>P202<br>P271+P403                                                                                 | P304, P340,<br>P313<br>P377<br>P381                                                                                                                       |                           | P501                       | OSHA-PG01                             | CGA-PG02<br>CGA-PG05<br>CGA-PG06<br>CGA-PG10<br>CGA-PG11<br>CGA-PG12<br>CGA-PG13<br>CGA-PG20<br>CGA-PG27 |

| Gas name          | CAS number  | Hazard class                                                                                                                                | Hazard category                                                                      | Signal word | GHS pictogram(s)                                                                                                                   | Transportation label                                                          | Hazard statements                                            | OSHA-required hazard statement | EPA-required hazard statement | CGA-required hazard statements | Prec. statements: prevention                                                      | Prec. statements: response                                                                                                                                 | Prec. statements: storage | Prec. statements: disposal | OSHA-required precautionary statement | CGA-required precautionary statements                                            |
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| Air, Compressed   | 132259-10-0 | Gases under pressure                                                                                                                        | Compressed gas                                                                       | Warning     | Gas cylinder                                                                                                                       | 2.2 Nonflammable Gas                                                          | H280                                                         |                                |                               | CGA-HG24                       | P202                                                                              |                                                                                                                                                            |                           |                            | OSHA-PG01                             | CGA-PG02<br>CGA-PG05<br>CGA-PG06<br>CGA-PG10<br>CGA-PG12<br>CGA-PG27             |
| Allene            | 463-49-0    | Flammable gases<br>Gases under pressure<br>Simple asphyxiant                                                                                | Category 1<br>Liquefied gas                                                          | Danger      | Flame<br>Gas cylinder                                                                                                              | 2.1 Flammable Gas                                                             | H220<br>H280                                                 | OSHA-H01                       |                               | CGA-HG01<br>CGA-HG04           | P202<br>P210<br>P271+P403<br>P280                                                 | P377<br>P381<br>P304, P340,<br>P313<br>P302, P336,<br>P315                                                                                                 |                           |                            | OSHA-PG01                             | CGA-PG02<br>CGA-PG05<br>CGA-PG06<br>CGA-PG10<br>CGA-PG12<br>CGA-PG27             |
| Anhydrous Ammonia | 7664-41-7   | Flammable gases<br>Gases under pressure<br>Skin corrosion<br>Acute inhalation toxicity<br>STOT SE respiratory tract<br>Acute aquatic hazard | Category 2<br>Liquefied gas<br>Category 1b<br>Category 4<br>Category 3<br>Category 1 | Danger      | Exclamation mark<br>Gas cylinder<br>Corrosion<br>[Environment - for intl. shipments]<br>[Skull & Crossbones - for intl. shipments] | 2.2 Non-flammable Gas<br>[2.3 Toxic Gas<br>8 Corrosive - for intl. shipments] | H280<br>H332<br>H221<br>H314<br>[H400 - for intl. shipments] |                                |                               | CGA-HG01<br>CGA-HG22           | P210<br>P260<br>P280<br>[P273 - for intl. shipments]<br>P262<br>P202<br>P271+P403 | P377<br>P381<br>P303, P361,<br>P336, P353,<br>P363, P310<br>P304, P340,<br>P312<br>P305, P351,<br>P338, P310<br>P332, P313<br>[P391 - for intl. shipments] |                           | P501                       | OSHA-PG01                             | CGA-PG02<br>CGA-PG05<br>CGA-PG06<br>CGA-PG10<br>CGA-PG12<br>CGA-PG20<br>CGA-PG27 |

| Gas name                   | CAS number | Hazard class                                                                                                                                                                         | Hazard category                                                                                   | Signal word | GHS pictogram(s)                                                                                       | Transportation label                | Hazard statements                                                     | OSHA-required hazard statement | EPA-required hazard statement | CGA-required hazard statements   | Prec. statements: prevention                                                                    | Prec. statements: response                                                                               | Prec. statements: storage | Prec. statements: disposal | OSHA-required precautionary statement | CGA-required precautionary statements                                                        |
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| Argon                      | 7440-37-1  | Gases under pressure<br>Simple asphyxi-ant                                                                                                                                           | Compressed gas                                                                                    | Warning     | Gas cylinder                                                                                           | 2.2 Nonflam-mable Gas               | H280                                                                  | OSHA-H01                       |                               |                                  | P202<br>P271+P403                                                                               | P304, P340,<br>P313                                                                                      |                           |                            | OSHA-PG01                             | CGA-PG02<br>CGA-PG05<br>CGA-PG06<br>CGA-PG10<br>CGA-PG12<br>CGA-PG27                         |
| Argon, Refrigerated Liquid | 7440-37-1  | Gases under pressure<br>Simple asphyxi-ant                                                                                                                                           | Refrigerated Liquefied gas                                                                        | Warning     | Gas cylinder                                                                                           | 2.2 Nonflam-mable Gas               | H281                                                                  | OSHA-H01                       |                               |                                  | P202<br>P271+P403<br>P282                                                                       | P304, P340,<br>P313<br>P302, P336,<br>P315                                                               |                           |                            | OSHA-PG01                             | CGA-PG05<br>CGA-PG06<br>CGA-PG10<br>CGA-PG12<br>CGA-PG20<br>CGA-PG23<br>CGA-PG24<br>CGA-PG27 |
| Arsine                     | 7784-42-1  | Flammable gases<br>Gases under pressure<br>Acute inhalation toxicity<br>Carcinogenicity<br>STOT RE blood, liver, kidney, heart<br>Acute aquatic toxicity<br>Chronic aquatic toxicity | Category 1<br>Liquefied gas<br>Category 1<br>Category 2<br>Category 2<br>Category 1<br>Category 1 | Danger      | Flame<br>Health Hazard<br>Skull and crossbones<br>[Environment – for int'l ship-ments]<br>Gas cylinder | 2.3 Toxic Gas<br>2.1 Flamma-ble Gas | H220<br>H280<br>H330<br>H351<br>H373<br>[H410 – for int'l ship-ments] |                                |                               | CGA-HG01<br>CGA-HG04<br>CGA-HG11 | P201<br>P202<br>P210<br>P260<br>P262<br>P271+P403<br>[P273 – for int'l ship-ments]<br>P280+P284 | P377<br>P381<br>P304, P340,<br>P310<br>P308, P313<br>P302, P336,<br>P315<br>[P391 – for int'l shipments] | P405                      | P501                       | OSHA-PG01                             | CGA-PG02<br>CGA-PG05<br>CGA-PG06<br>CGA-PG10<br>CGA-PG12<br>CGA-PG18<br>CGA-PG27             |

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| Boron Trichloride                  | 10294-34-5 | Gases under pressure<br>Acute inhalation toxicity<br>Skin corrosion/irritation<br>Serious eye damage/eye irritation<br>STOT SE respiratory tract                   | Liquefied gas<br><br>Category 3<br><br>Category 1B<br><br>Category 1<br><br>Category 3                    | Danger      | Skull and crossbones<br>Corrosion<br>Gas cylinder                  | 2.3 Toxic Gas<br>8 Corrosive | H280<br>H331<br>H314         |                                |                                    | CGA-HG01<br>CGA-HG22           | P202<br>P260<br>P262<br>P264<br>P271+P403<br>P280      | P304, P340, P311<br>P303, P361, P336, P353, P363, P310<br>P305, P351, P338, P310 | P405                      | P501                       | OSHA-PG01                             | CGA-PG02<br>CGA-PG05<br>CGA-PG06<br>CGA-PG10<br>CGA-PG12<br>CGA-PG18<br>CGA-PG20<br>CGA-PG27             |
| Boron Trifluoride                  | 7637-07-2  | Gases under pressure<br>Acute inhalation toxicity<br>Skin corrosion/irritation<br>Serious eye damage/eye irritation<br>STOT SE respiratory tract<br>STOT RE kidney | Compressed gas<br><br>Category 2<br><br>Category 1A<br><br>Category 1<br><br>Category 3<br><br>Category 2 | Danger      | Gas cylinder<br>Skull and crossbones<br>Corrosion<br>Health Hazard | 2.3 Toxic Gas<br>8 Corrosive | H280<br>H314<br>H330<br>H373 |                                |                                    | CGA-HG11<br>CGA-HG22           | P202<br>P260<br>P262<br>P264<br>P271+P403<br>P280+P284 | P304, P340, P310<br>P303, P361, P353, P363, P310<br>P305, P351, P338, P310       | P405                      | P501                       | OSHA-PG01                             | CGA-PG02<br>CGA-PG05<br>CGA-PG06<br>CGA-PG10<br>CGA-PG12<br>CGA-PG18<br>CGA-PG20<br>CGA-PG27<br>CGA-PG34 |
| Bromochlorodifluoromethane (R12B1) | 353-59-3   | Gases under pressure<br>Simple asphyxiant<br>Hazardous to the ozone layer                                                                                          | Liquefied gas<br><br>Category 1                                                                           | Warning     | Gas cylinder<br>Exclamation mark                                   | 2.2 Nonflammable Gas         | H280<br>H420                 | OSHA-H01                       | [EPA ODS – for domestic shipments] | CGA-HG01                       | P202<br>P262<br>P271+P403<br>P280                      | P304, P340, P313<br>P302, P336, P315                                             |                           | P502                       | OSHA-PG01                             | CGA-PG02<br>CGA-PG05<br>CGA-PG06<br>CGA-PG10<br>CGA-PG12<br>CGA-PG27                                     |

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| Bromotrifluoromethane (R13B1)       | 75-63-8    | Gases under pressure<br>Simple asphyxiant<br>Hazardous to the ozone layer | Liquefied gas<br><br>Category 1 | Warning     | Gas cylinder<br>Exclamation mark | 2.2 Nonflammable Gas | H280<br>H420      | OSHA-H01                       | [EPA ODS – for domestic shipments] | CGA-HG01                       | P202<br>P262<br>P271+P403<br>P280         | P304, P340,<br>P313<br>P302, P336,<br>P315                 |                           | P502                       | OSHA-PG01                             | CGA-PG02<br>CGA-PG05<br>CGA-PG06<br>CGA-PG10<br>CGA-PG12<br>CGA-PG27                                     |
| Butane                              | 106-97-8   | Flammable gases<br>Gases under pressure<br>Simple asphyxiant              | Category 1<br><br>Liquefied gas | Danger      | Flame<br>Gas cylinder            | 2.1 Flammable Gas    | H220<br>H280      | OSHA-H01                       |                                    | CGA-HG01<br>CGA-HG04           | P202<br>P210<br>P271+P403<br>P280         | P377<br>P381<br>P304, P340,<br>P313<br>P302, P336,<br>P315 |                           |                            | OSHA-PG01                             | CGA-PG02<br>CGA-PG05<br>CGA-PG06<br>CGA-PG10<br>CGA-PG12<br>CGA-PG27                                     |
| Carbon Dioxide                      | 124-38-9   | Gases under pressure<br>Simple asphyxiant                                 | Liquefied gas                   | Warning     | Gas cylinder                     | 2.2 Nonflammable Gas | H280              | OSHA-H01                       |                                    | CGA-HG01<br>CGA-HG03           | P202<br>P261<br>P262<br>P271+P403<br>P280 | P304, P340,<br>P313<br>P302, P336,<br>P315                 |                           |                            | OSHA-PG01                             | CGA-PG02<br>CGA-PG05<br>CGA-PG06<br>CGA-PG10<br>CGA-PG11<br>CGA-PG12<br>CGA-PG27                         |
| Carbon Dioxide, Refrigerated Liquid | 124-38-9   | Gases under pressure<br>Simple asphyxiant                                 | Refrigerated Liquefied gas      | Warning     | Gas cylinder                     | 2.2 Nonflammable Gas | H281              | OSHA-H01                       |                                    | CGA-HG03                       | P202<br>P271+P403<br>P282                 | P304, P340,<br>P313<br>P302, P336,<br>P315                 |                           |                            | OSHA-PG01                             | CGA-PG05<br>CGA-PG06<br>CGA-PG10<br>CGA-PG11<br>CGA-PG12<br>CGA-PG20<br>CGA-PG23<br>CGA-PG24<br>CGA-PG27 |

| Gas name         | CAS number | Hazard class                                                                                                                                                                                  | Hazard category                                                                                                           | Signal word | GHS pictogram(s)                                                                                              | Transportation label                         | Hazard statements                                            | OSHA-required hazard statement | EPA-required hazard statement | CGA-required hazard statements               | Prec. statements: prevention                                                                           | Prec. statements: response                                                                                                     | Prec. statements: storage | Prec. statements: disposal | OSHA-required precautionary statement | CGA-required precautionary statements                                                                                |
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| Carbon Monoxide  | 630-08-0   | Flammable gases<br>Gases under pressure<br>Acute inhalation toxicity<br>STOT RE Central nervous system<br>Reproductive toxicant                                                               | Category 1<br><br>Compressed gas<br><br>Category 3<br><br>Category 1<br><br>Category 1A                                   | Danger      | Flame<br>Gas cylinder<br>Skull and crossbones<br>Health Hazard                                                | 2.3 Toxic Gas<br>2.1 Flammable Gas           | H220<br>H280<br>H331<br>H360<br>H372                         |                                |                               | CGA-HG04<br>CGA-HG10                         | P201<br>P202<br>P210<br>P260<br>P264<br>P270<br>P271+P403<br>P280                                      | P377<br>P381<br>P304, P340, P311<br>P308, P313                                                                                 | P405                      | P501                       | OSHA-PG01                             | CGA-PG02<br>CGA-PG05<br>CGA-PG06<br>CGA-PG10<br>CGA-PG12<br>CGA-PG27                                                 |
| Carbonyl Sulfide | 463-58-1   | Flammable gases<br>Gases under pressure<br>Acute inhalation toxicity                                                                                                                          | Category 1<br><br>Liquefied gas<br><br>Category 3                                                                         | Danger      | Flame<br>Gas cylinder<br>Skull and crossbones                                                                 | 2.3 Toxic Gas<br>2.1 Flammable Gas           | H220<br>H280<br>H331                                         |                                |                               | CGA-HG01<br>CGA-HG04<br>CGA-HG11<br>CGA-HG16 | P202<br>P210<br>P261<br>P262<br>P271+P403<br>P280                                                      | P377<br>P381<br>P304, P340, P311<br>P302, P336, P315                                                                           | P405                      | P501                       | OSHA-PG01                             | CGA-PG02<br>CGA-PG05<br>CGA-PG06<br>CGA-PG10<br>CGA-PG12<br>CGA-PG18<br>CGA-PG20<br>CGA-PG27<br>CGA-PG29             |
| Chlorine         | 7782-50-5  | Oxidizing gases<br>Gases under pressure<br>Acute inhalation toxicity<br>Skin corrosion/irritation<br>Serious eye damage/eye irritation<br>STOT SE respiratory tract<br>Acute aquatic toxicity | Category 1<br><br>Liquefied gas<br><br>Category 2<br><br>Category 1<br><br>Category 1<br><br>Category 3<br><br>Category 1 | Danger      | Flame over circle<br>Skull and crossbones<br>Gas cylinder<br>Corrosion<br>[Environment - for intl. shipments] | 2.3 Toxic Gas<br>5.1 Oxidizer<br>8 Corrosive | H330<br>H280<br>H314<br>H270<br>[H400 - for intl. shipments] |                                |                               | CGA-HG01<br>CGA-HG22                         | P220<br>P280+P284<br>P244<br>P202<br>P260<br>P262<br>P264<br>P271+P403<br>[P273 - for intl. shipments] | P370, P376<br>P304, P340, P310<br>P305, P351, P338, P310<br>P303, P361, P336, P353, P363, P310<br>[P391 - for intl. shipments] | P405                      | P501                       | OSHA-PG01                             | CGA-PG02<br>CGA-PG05<br>CGA-PG06<br>CGA-PG10<br>CGA-PG12<br>CGA-PG18<br>CGA-PG20<br>CGA-PG21<br>CGA-PG22<br>CGA-PG27 |



| Gas name                             | CAS number | Hazard class                                                                                                                                                                 | Hazard category                                                                                          | Signal word | GHS pictogram(s)                                                                                                              | Transportation label                         | Hazard statements                                            | OSHA-required hazard statement | EPA-required hazard statement      | CGA-required hazard statements   | Prec. statements: prevention                                                                           | Prec. statements: response                                                                                                                     | Prec. statements: storage | Prec. statements: disposal | OSHA-required precautionary statement | CGA-required precautionary statements                                                                                                                    |
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| Chlorine Trifluoride                 | 7790-91-2  | Oxidizing gases<br><br>Gases under pressure<br><br>Acute inhalation toxicity<br><br>Skin corrosion/irritation<br><br>STOT SE respiratory tract<br><br>Acute aquatic toxicity | Category 1<br><br>Liquefied gas<br><br>Category 2<br><br>Category 1A<br><br>Category 3<br><br>Category 1 | Danger      | Flame over circle<br><br>Skull and crossbones<br><br>Gas cylinder<br><br>Corrosion<br><br>[Environment - for intl. shipments] | 2.3 Toxic Gas<br>5.1 Oxidizer<br>8 Corrosive | H270<br>H280<br>H314<br>H330<br>[H400 – for int'l shipments] |                                |                                    | CGA-HG01<br>CGA-HG23<br>CGA-HG22 | P201<br>P202<br>P220<br>P244<br>P260<br>P262<br>P271+P403<br>[P273 – for int'l shipments]<br>P280+P284 | P370, P376<br>P303, P361, P353, P336, P310<br><br>P304, P340, P310<br><br>P305, P351, P338, P313<br>P332, P313<br>[P391 – for int'l shipments] | P405                      | P501                       | OSHA-PG01                             | CGA-PG02<br>CGA-PG05<br>CGA-PG06<br>CGA-PG10<br>CGA-PG12<br>CGA-PG18<br>CGA-PG20<br>CGA-PG21<br>CGA-PG22<br>CGA-PG27<br>CGA-PG32<br>CGA-PG33<br>CGA-PG34 |
| Chlorodifluoromethane (R22)          | 75-45-6    | Gases under pressure<br><br>Simple asphyxiant<br><br>Hazardous to the ozone layer                                                                                            | Liquefied gas<br><br>Category 1                                                                          | Warning     | Gas cylinder<br>Exclamation mark                                                                                              | 2.2 Nonflammable Gas                         | H280<br>H420                                                 | OSHA-H01                       | [EPA ODS – for domestic shipments] | CGA-HG01                         | P202<br>P262<br>P271+P403<br>P280                                                                      | P304, P340, P313<br>P302, P336, P315                                                                                                           |                           | P504                       | OSHA-PG01                             | CGA-PG02<br>CGA-PG05<br>CGA-PG06<br>CGA-PG10<br>CGA-PG12<br>CGA-PG27                                                                                     |
| Chloroheptafluorocyclobutane (RC317) | 377-41-3   | Gases under pressure<br><br>Simple asphyxiant                                                                                                                                | Liquefied gas                                                                                            | Warning     | Gas cylinder                                                                                                                  | 2.2 Nonflammable Gas                         | H280                                                         | OSHA-H01                       |                                    | CGA-HG01                         | P202<br>P262<br>P271+P403<br>P280                                                                      | P304, P340, P313<br>P302, P336, P315                                                                                                           |                           |                            | OSHA-PG01                             | CGA-PG02<br>CGA-PG05<br>CGA-PG06<br>CGA-PG10<br>CGA-PG12<br>CGA-PG27                                                                                     |
| Chloropentafluoroethane (R115)       | 76-15-3    | Gases under pressure<br><br>Simple asphyxiant<br><br>Hazardous to the ozone layer                                                                                            | Liquefied gas<br><br>Category 1                                                                          | Warning     | Gas cylinder<br>Exclamation mark                                                                                              | 2.2 Nonflammable Gas                         | H280<br>H420                                                 | OSHA-H01                       | [EPA ODS – for domestic shipments] | CGA-HG01                         | P202<br>P262<br>P271+P403<br>P280                                                                      | P304, P340, P313<br>P302, P336, P315                                                                                                           |                           | P504                       | OSHA-PG01                             | CGA-PG02<br>CGA-PG05<br>CGA-PG06<br>CGA-PG10<br>CGA-PG12<br>CGA-PG27                                                                                     |

| Gas name                                                 | CAS number | Hazard class                                                                                                                                                                           | Hazard category                                                                                                  | Signal word | GHS pictogram(s)                                                  | Transportation label               | Hazard statements            | OSHA-required hazard statement | EPA-required hazard statement      | CGA-required hazard statements   | Prec. statements: prevention                                   | Prec. statements: response                                                                                          | Prec. statements: storage | Prec. statements: disposal | OSHA-required precautionary statement | CGA-required precautionary statements                                            |
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| Chloropentafluoroethane-<br>Chlorodifluoromethane (R502) |            | Gases under pressure<br>Simple asphyxiant<br>Hazardous to the ozone layer                                                                                                              | Liquefied gas<br><br>Category 1                                                                                  | Warning     | Gas cylinder<br>Exclamation mark                                  | 2.2 Nonflammable Gas               | H280<br>H420                 | OSHA-H01                       | [EPA ODS – for domestic shipments] | CGA-HG01                         | P202<br>P262<br>P271+P403<br>P280                              | P304, P340,<br>P313<br>P302, P336,<br>P315                                                                          |                           | P502                       | OSHA-PG01                             | CGA-PG02<br>CGA-PG05<br>CGA-PG06<br>CGA-PG10<br>CGA-PG12<br>CGA-PG27             |
| Chlorotrifluoromethane (R13)                             | 75-72-9    | Gases under pressure<br>Simple asphyxiant<br>Hazardous to the ozone layer                                                                                                              | Liquefied gas<br><br>Category 1                                                                                  | Warning     | Gas cylinder<br>Exclamation mark                                  | 2.2 Nonflammable Gas               | H280<br>H420                 | OSHA-H01                       | [EPA ODS – for domestic shipments] | CGA-HG01                         | P202<br>P262<br>P271+P403<br>P280                              | P304, P340,<br>P313<br>P302, P336,<br>P315                                                                          |                           | P502                       | OSHA-PG01                             | CGA-PG02<br>CGA-PG05<br>CGA-PG06<br>CGA-PG10<br>CGA-PG12<br>CGA-PG27             |
| Cyanogen                                                 | 460-19-5   | Flammable gases<br>Gases under pressure<br>Acute inhalation toxicity<br>Acute oral toxicity<br>Eye irritation<br>Skin irritation<br>Acute aquatic toxicity<br>Chronic aquatic toxicity | Category 1<br>Liquefied gas<br>Category 2<br>Category 1<br>Category 2B<br>Category 2<br>Category 1<br>Category 1 | Danger      | Flame<br>Skull and crossbones<br>Gas cylinder<br>Exclamation mark | 2.3 Toxic Gas<br>2.1 Flammable Gas | H220<br>H280<br>H319<br>H330 |                                |                                    | CGA-HG01<br>CGA-HG04<br>CGA-HG11 | P202<br>P210<br>P260<br>P262<br>P264<br>P271+P403<br>P280+P284 | P377<br>P381<br>P304, P340,<br>P310<br>P308, P313<br>P305, P351,<br>P338, P313<br>P302, P336,<br>P315<br>P337, P313 | P405                      | P501                       | OSHA-PG01                             | CGA-PG02<br>CGA-PG05<br>CGA-PG06<br>CGA-PG10<br>CGA-PG12<br>CGA-PG18<br>CGA-PG27 |
| Cyclopropane                                             | 75-19-4    | Flammable gases<br>Gases under pressure<br>STOT SE dizziness/drowsiness                                                                                                                | Category 1<br>Liquefied gas<br>Category 3                                                                        | Danger      | Flame<br>Gas cylinder<br>Exclamation mark                         | 2.1 Flammable Gas                  | H220<br>H280<br>H336         | OSHA-H01                       |                                    | CGA-HG01<br>CGA-HG04             | P202<br>P210<br>P261<br>P262<br>P271+P403<br>P280              | P377<br>P381<br>P304, P340,<br>P312<br>P302, P336,<br>P315                                                          |                           | P501                       | OSHA-PG01                             | CGA-PG02<br>CGA-PG05<br>CGA-PG06<br>CGA-PG10<br>CGA-PG12<br>CGA-PG27             |

| Gas name           | CAS number | Hazard class                                                                                                                                                                           | Hazard category                                                                                                                              | Signal word | GHS pictogram(s)                                                                                          | Transportation label                | Hazard statements                                             | OSHA-required hazard statement | EPA-required hazard statement | CGA-required hazard statements   | Prec. statements: prevention                                                                    | Prec. statements: response                                                                                                                          | Prec. statements: storage | Prec. statements: disposal | OSHA-required precautionary statement | CGA-required precautionary statements                                                        |
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| Deuterium          | 7782-39-0  | Flammable gases<br>Gases under pressure<br>Simple asphyxi-ant                                                                                                                          | Category 1<br><br>Compressed gas                                                                                                             | Danger      | Flame<br>Gas cylinder                                                                                     | 2.1 Flamma-ble Gas                  | H220<br>H280                                                  | OSHA-H01                       |                               | CGA-HG04<br>CGA-HG08             | P202<br>P210<br>P271+P403                                                                       | P377<br>P381<br>P304, P340,<br>P313                                                                                                                 |                           |                            | OSHA-PG01                             | CGA-PG02<br>CGA-PG05<br>CGA-PG06<br>CGA-PG10<br>CGA-PG12<br>CGA-PG27                         |
| Deuterium Chloride | 7698-05-7  | Gases under pressure<br>Acute inhalation toxicity<br>Skin corrosion/irritation<br>Serious eye damage/eye irritation                                                                    | Liquefied gas<br><br>Category 3<br><br>Category 1A<br><br>Category 1                                                                         | Danger      | Skull and crossbones<br>Corrosion<br>Gas cylinder                                                         | 2.3 Toxic Gas<br>8 Corrosive        | H280<br>H331<br>H314                                          |                                |                               | CGA-HG01<br>CGA-HG22             | P202<br>P260<br>P262<br>P264<br>P271+P403<br>P280                                               | P304, P340,<br>P311<br>P303, P361,<br>P336, P353,<br>P363, P310<br>P305, P351,<br>P338, P310                                                        | P405                      | P501                       | OSHA-PG01                             | CGA-PG02<br>CGA-PG05<br>CGA-PG06<br>CGA-PG10<br>CGA-PG12<br>CGA-PG18<br>CGA-PG20<br>CGA-PG27 |
| Deuterium Selenide | 13536-95-3 | Flammable gases<br>Gases under pressure<br>Acute inhalation toxicity<br>Acute oral toxicity<br>Eye irritation<br>Skin irritation<br>Acute aquatic toxicity<br>Chronic aquatic toxicity | Category 1<br><br>Liquefied gas<br><br>Category 1<br><br>Category 1<br><br>Category 2B<br><br>Category 2<br><br>Category 1<br><br>Category 1 | Danger      | Flame<br>Skull and crossbones<br>Gas cylinder<br>Exclamation mark<br>[Environment – for Int'l ship-ments] | 2.3 Toxic Gas<br>2.1 Flamma-ble Gas | H220<br>H280<br>H319<br>H330<br>[H410 – for Int'l ship-ments] |                                |                               | CGA-HG01<br>CGA-HG04<br>CGA-HG11 | P202<br>P210<br>P260<br>P262<br>P264<br>P271+P403<br>[P273 – for Int'l ship-ments]<br>P280+P284 | P377<br>P381<br>P304, P340,<br>P310<br>P308, P313<br>P305, P351,<br>P338, P313<br>P302, P336,<br>P315<br>P337, P313<br>[P391 – for int'l shipments] | P405                      | P501                       | OSHA-PG01                             | CGA-PG02<br>CGA-PG05<br>CGA-PG06<br>CGA-PG10<br>CGA-PG12<br>CGA-PG18<br>CGA-PG27             |