**Gases**

These are substances which are gaseous at standard temperature and pressure (25 °C, 1 bar). Species marked with an asterisk are subject to operational restrictions. Please contact us for further details.

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| --- | --- | --- | --- | --- |
| Formula | IUPAC Name | Alternate Name | Restrictions? | CAS Number |
|  |  |  |  |  |
| H2 | Hydrogen |  |  | 1333-74-0 |
| D2 | Deuterium |  |  | 7782-39-0 |
| CH4 | Methane |  |  | 74-82-8 |
| CO | Carbon Monoxide |  |  | 630-08-0 |
| CO2 | Carbon Dioxide |  |  | 124-38-9 |
| N2 | Nitrogen |  |  | 7727-37-9 |
| O2 | Oxygen\* |  | [Contact us](http://www.hidenisochema.com/contact/) | 7782-44-7 |
| He | Helium |  |  | 7440-59-7 |
| Ne | Neon |  |  | 7440-01-9 |
| Ar | Argon |  |  | 7440-37-1 |
| Kr | Krypton |  |  | 7439-90-9 |
| Xe | Xenon |  |  | 7440-63-3 |
| NH3 | Azane\* | Ammonia\* | [Contact us](http://www.hidenisochema.com/contact/) | 7664-41-7 |
| N2O | Dinitrogen Monoxide | Nitrous Oxide |  | 10024-97-2 |
| SF6 | Sulfur Hexafluoride | Elagas/Esaflon |  | 2551-62-4 |
| C2H4 | Ethene | Ethylene |  | 74-85-1 |
| C2H6 | Ethane |  |  | 74-84-0 |
| C3H6 | Propene | Propylene |  | 115-07-1 |
| C3H8 | Propane |  |  | 74-98-6 |
| C4H10 | Butane | n-Butane |  | 106-97-8 |
| CBrF3 | Bromotrifluoromethane | Freon-13B1 |  | 75-63-8 |
| CClF3 | Chlorotrifluoromethane | Freon-13 |  | 75-72-9 |
| CCl2F2 | Dichlorodifluoromethane | Freon-12 |  | 75-71-8 |
| CHClF2 | Chlorodifluoromethane | Freon-22 |  | 75-45-6 |
| CH2F2 | Difluoromethane | Freon-32 |  | 75-10-5 |
| CH3Cl | Chloromethane | Freon-40 |  | 74-87-3 |
| C2Cl2F4 | 1,2-Dichlorotetrafluoroethane | Freon-114 |  | 76-14-2 |
| C2HF5 | Pentafluoroethane | Freon-125 |  | 354-33-6 |
| C2H2F4 | 1,1,1,2-Tetrafluoroethane | Freon-134a |  | 811-97-2 |
| C2H3ClF2 | 1-Chloro-1,1-difluoroethane | Freon-142b |  | 75-68-3 |
| C2H3F3 | 1,1,1-Trifluoroethane | Freon-143a |  | 420-46-2 |
| C3HF7 | 1,1,1,2,3,3,3-Heptafluoropropane | Freon-227 |  | 431-89-0 |
| C3H2F4 | (1E)-1,3,3,3-Tetrafluoroprop-1-ene | Freon-1234ze |  | 29118-24-9 |
| C3H2F4 | 2,3,3,3-Tetrafluoroprop-1-ene | Freon-1234yf |  | 754-12-1 |
| C3H3F3 | 3,3,3-Trifluoropropene | Freon-1243z |  | 677-21-4 |
| C3H3F5 | 1,1,1,3,3-Pentafluoropropane | Freon-245fa |  | 460-73-1 |