



# SEMI AUX030-0618

## CODES FOR REFERENCING GASES, GAS MIXTURES AND VAPORIZABLE MATERIALS USED IN DIGITAL MASS FLOW CONTROLLERS

**NOTE:** The material in this Auxiliary Information is referenced in SEMI E6, E54.18, E54.22, F79, and F105.

The codes listed in these Tables are included for the convenience of the industry and are maintained by SEMI. Request for new gas code should be submitted along with a Material Safety Data Sheet (MSDS). Changes or additions to these tables are the responsibility of companies in the semiconductor industry, and should be addressed to:

Standards Coordinator, Facilities and Gases Committees  
SEMI  
673 S. Milpitas Blvd.  
Milpitas, CA 95035

These tables are frequently updated.

### 1 Purpose

1.1 To provide a numerical index of gases and gas mixtures used in the semiconductor industry that will give an ordered reference for the gases and gas mixtures when used in mass flow devices. This index or list will facilitate the production and use of digital mass flow devices.

### 2 Scope

2.1 The list includes gases, gas mixtures, and vaporizable materials that can be used in mass flow devices. The list will supplement, not replace, existing DOT/OSHA or other identification systems. For ease of use, the list is presented sorted by gas code, gas name, and symbol for gases and vaporizable materials and by code and mixture percentage for gas mixtures.

**NOTICE:** SEMI Standards and Safety Guidelines do not purport to address all safety issues associated with their use. It is the responsibility of the users of the Documents to establish appropriate safety and health practices, and determine the applicability of regulatory or other limitations prior to use.

### 3 Limitations

3.1 This list does not provide information related to the safe use and intended application of listed materials.

### 4 Referenced Standards and Documents

#### 4.1 *NIST Standard*<sup>1</sup>

NIST AD732-043 — JANAF Thermochemical Tables, 2nd Edition

#### 4.2 *Miscellaneous Publications*

Dangerous Properties of Industrial Materials, 5th Edition, N. Irving Sax, © 1979<sup>2</sup>

Encyclopedia of Gas, Air Liquide, © 1976<sup>3</sup>

Matheson Gas Data Book, 6th Edition, © 1980<sup>4</sup>

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<sup>1</sup> National Institute of Standards and Technology, 100 Bureau Drive, Stop 3460, Gaithersburg, MD 20899-3460, USA. Telephone: +1.301.975.6478; <http://www.nist.gov>

<sup>2</sup> CRC Press LLC, (Headquarters) 2000 Corporate Blvd., NW, Boca Raton, FL 33431, USA. Telephone: +1.561.994.0555.

<sup>3</sup> Litton Publishing.

<sup>4</sup> Matheson Gas Products, Inc., 959 Route 46 East, P.O. Box 624, Parsippany, NJ 07054, USA. Telephone: +1.973.257.1100.

The Merck Manual Index, 6th Edition<sup>5</sup>

#### 4.3 Data Sheets

Air Products & Chemicals Data Sheet, © 1991<sup>6</sup>

American Cyanamid Data Sheet<sup>7</sup>

Callery Chemical Borazine Data Sheet, © 1984<sup>8</sup>

DuPont Data Sheet<sup>9</sup>

Schumacher Material Safety Data Sheet, No. R&D 49.3 JN, Revision Date 1/95<sup>10</sup>

Schumacher Product Data Sheet, No. 23, Revision 3<sup>10</sup>

Air Liquide/Aloha Product Data Sheet March 2005<sup>11</sup>

#### 4.4 Handbooks

Chemical Engineers' Handbook, 5th Edition<sup>12</sup>

CRC Handbook of Chemistry and Physics, 75th Edition, © 1994<sup>13</sup>

#### 4.5 Other Documents

Nomenclature of Organic Chemistry, authored by International Union of Pure and Applied Chemistry (IUPAC), edited by J. Rigaudy, © 1979<sup>14</sup>

Chemical Book — Online directory of Chemicals<sup>15</sup>

**NOTICE:** Unless otherwise indicated, all documents cited shall be the latest published versions.

## 5 Terminology

### 5.1 Definitions

5.1.1 *formula* — the structural representation of a gas, indicating the molecular groupings. Formulas are unique and unambiguous except in the case of isomers.

5.1.2 *gas code* — an integer that is uniquely associated with a particular gas.

5.1.3 *gas name* — the accepted name for a gas as specified in *Nomenclature of Organic Chemistry*.

5.1.4 *symbol* — commonly accepted, unambiguous, and unique identification using ASCII characters with no subscripts, superscripts, or parentheses.

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<sup>5</sup> This publication is available from Franklin Electronic Publishers, 1 Franklin Plaza, Burlington, NJ 08060, USA. Telephone: +1.800.266.5626.

<sup>6</sup> Air Products & Chemicals Inc., Rural Route 1, Tamaqua, PA 18252, USA. Telephone: +1.717.467.2981.

<sup>7</sup> American Cyanamid Company, CALI Corporation Center, 50 Tice Blvd., Woodcliff Lake, NJ 07675, USA. Telephone: +1.201.930.0455.

<sup>8</sup> Callery Chemical Company, P.O. Box 429, Pittsburgh, PA 15230, USA. Telephone: +1.412.967.4100.

<sup>9</sup> E.I. du Pont de Nemours and Company, 1007 Market St., Wilmington, DE 19898, USA. Telephone: +1.302.774.1000.

<sup>10</sup> Schumacher, 1969 Palomar Oaks Way, Carlsbad, CA 92009-1307, USA. Telephone: +1.619.931.9555.

<sup>11</sup> AIR LIQUIDE S.A., Tour AREVA 1 place de la Coupole, 92084, Paris.

<sup>12</sup> McGraw-Hill Inc., Princeton Rd., Hightstown, NJ 08520, USA. Telephone: +1.609.426.5934.

<sup>13</sup> CRC Press LLC Headquarters, 2000 NW Corporate Blvd, Boca Raton, FL 33431, USA. Telephone: +1.561.994.0555; Fax: +1.561.989.9732.

<sup>14</sup> This publication is available from Franklin Book Company, 7804 Montgomery Ave., Elkon's Park, PA 19027, USA. Telephone: +1.215.635.5252.

<sup>15</sup> <http://www.chemicalbook.com>

## 6 Gas Table Sorted by Code

**Table 1 Gases Sorted by Code**

<i>Code</i>	<i>Gas Name</i>	<i>Symbol</i>	<i>Formula</i>	<i>Synonym</i>	<i>Ref</i>
1	Helium	He	He		1
2	Neon	Ne	Ne		1
3	Radon	Rn	Rn		2
4	Argon	Ar	Ar		1
5	Krypton	Kr	Kr		1
6	Xenon	Xe	Xe		1
7	Hydrogen	H2	H <sub>2</sub>		1
8	Air	Air			1
9	Carbon Monoxide	CO	CO		1
10	Hydrogen Bromide	HBr	HBr		1
11	Hydrogen Chloride	HCl	HCl		1
12	Hydrogen Fluoride	HF	HF		1
13	Nitrogen	N2	N <sub>2</sub>		1
14	Deuterium	D2	H <sub>2</sub> <sup>2</sup>	D2	2
15	Oxygen	O2	O <sub>2</sub>		1
16	Nitric Oxide	NO	NO		2
17	Hydrogen Iodide	HI	HI		1
18	Fluorine	F2	F <sub>2</sub>		1
19	Chlorine	Cl2	Cl <sub>2</sub>		1
20	Water Vapor	H2O	H <sub>2</sub> O		2
21	Bromine	Br2	Br <sub>2</sub>		2
22	Hydrogen Sulfide	H2S	H <sub>2</sub> S		1
23	Hydrogen Selenide	H2Se	H <sub>2</sub> Se		1
24	Hydrogen Cyanide	HCN	HCN		1
25	Carbon Dioxide	CO2	CO <sub>2</sub>		1
26	Nitrogen Dioxide	NO2	NO <sub>2</sub>		1
27	Nitrous Oxide	N2O	N <sub>2</sub> O		1
28	Methane	CH4	CH <sub>4</sub>		1
29	Ammonia	NH3	NH <sub>3</sub>		1
30	Ozone	O3	O <sub>3</sub>		1
31	Phosphine	PH3	PH <sub>3</sub>		1
32	Sulfur Dioxide	SO2	SO <sub>2</sub>		1
33	Methyl Fluoride	CH3F	CH <sub>3</sub> F	Fluoromethane or Methane, Fluoro	1
34	Carbonyl Sulfide	COS	COS		1
35	Arsine	AsH3	AsH <sub>3</sub>		1
36	Methyl Chloride	CH3Cl	CH <sub>3</sub> Cl	Chloromethane or Methane, Chloro	1
37	Cyanogen Chloride	CICN	CICN		1
38	Ethylene	C2H4	CH <sub>2</sub> =CH <sub>2</sub>	Ethene	1

<i>Code</i>	<i>Gas Name</i>	<i>Symbol</i>	<i>Formula</i>	<i>Synonym</i>	<i>Ref</i>
39	Silane	SiH <sub>4</sub>	SiH <sub>4</sub>		1
40	Carbon Disulfide	CS <sub>2</sub>	CS <sub>2</sub>		2
41	Oxygen Difluoride	OF <sub>2</sub>	OF <sub>2</sub>		1
42	Acetylene	C <sub>2</sub> H <sub>2</sub>	HC≡CH	Ethyne	1
43	Germane	GeH <sub>4</sub>	GeH <sub>4</sub>		1
44	Methyl Bromide	CH <sub>3</sub> Br	CH <sub>3</sub> Br	Bromomethane or Methane, Bromo	1
45	Ethylene Oxide	C <sub>2</sub> H <sub>4</sub> O	C <sub>2</sub> H <sub>4</sub> O	Oxirane, 1,2-epoxyethane	1
46	Carbonyl Fluoride	CF <sub>2</sub> O	CF <sub>2</sub> O		1
47	Methyl Mercaptan	CH <sub>4</sub> S	CH <sub>3</sub> SH		1
48	Boron Trifluoride	BF <sub>3</sub>	BF <sub>3</sub>		1
49	Fluoroform	CHF <sub>3</sub>	CHF <sub>3</sub>	Trifluoromethane or Methane, Trifluoro, F-23, R-23	1
50	Hydrazine	N <sub>2</sub> H <sub>4</sub>	H <sub>2</sub> NNH <sub>2</sub>		2
51	Vinyl Fluoride	C <sub>2</sub> H <sub>3</sub> F	H <sub>2</sub> C=CHF		1
52	Methylamine	CH <sub>5</sub> N	CH <sub>3</sub> NH <sub>2</sub>	Amino Methane, Monomethylamine	2
53	Nitrogen Trifluoride	NF <sub>3</sub>	NF <sub>3</sub>		1
54	Ethane	C <sub>2</sub> H <sub>6</sub>	CH <sub>3</sub> CH <sub>3</sub>		1
55	Vinyl Chloride	C <sub>2</sub> H <sub>3</sub> Cl	CH <sub>2</sub> =CHCl	Chloroethylene	1
56	Vinyl Bromide	C <sub>2</sub> H <sub>3</sub> Br	CH <sub>2</sub> =CHBr		1
57	Chlorodifluoromethane	CHClF <sub>2</sub>	CClHF <sub>2</sub>	F-22, R-22	1
58	Diborane	B <sub>2</sub> H <sub>6</sub>	B <sub>2</sub> H <sub>6</sub>		1
59	Cyanogen	C <sub>2</sub> N <sub>2</sub>	NCCN	Oxalodinitrile	1
60	Phosgene	CCl <sub>2</sub> O	CCl <sub>2</sub> O	Carbonyl chloride	1
61	Cyclopropane	C <sub>3</sub> H <sub>6</sub>	C <sub>3</sub> H <sub>6</sub>		1
62	Phosphorus Trifluoride	PF <sub>3</sub>	PF <sub>3</sub>		1
63	Carbon Tetrafluoride	CF <sub>4</sub>	CF <sub>4</sub>	Tetrafluoromethane or Methane, Tetrafluoro	1
64	Difluoroethylene	C <sub>2</sub> H <sub>2</sub> F <sub>2</sub>	CH <sub>2</sub> =CF <sub>2</sub>	G-1132A, Vinylidene fluoride	1
65	Dichlorofluoromethane	CHCl <sub>2</sub> F	CHCl <sub>2</sub> F	F-21, R-21	1
66	Allene	C <sub>3</sub> H <sub>4</sub>	CH <sub>2</sub> =C=CH <sub>2</sub>	Propadiene	1
67	Dichlorosilane	SiH <sub>2</sub> Cl <sub>2</sub>	SiH <sub>2</sub> Cl <sub>2</sub>		1
68	Methyl Acetylene	C <sub>3</sub> H <sub>4</sub>	CH <sub>3</sub> C≡CH	Propyne	1
69	Propylene	C <sub>3</sub> H <sub>6</sub>	CH <sub>3</sub> CH=CH <sub>2</sub>	Propene	1
70	Boron Trichloride	BCl <sub>3</sub>	BCl <sub>3</sub>		1
71	Chloroform	CHCl <sub>3</sub>	CHCl <sub>3</sub>	Trichloromethane or Methane, Trichloro	2
72	Perchloryl Fluoride	ClO <sub>3</sub> F	ClO <sub>3</sub> F		1
73	Dimethyl Ether	C <sub>2</sub> H <sub>6</sub> O	CH <sub>3</sub> OCH <sub>3</sub>	Methyl ether	1
74	Chlorotrifluoromethane	CClF <sub>3</sub>	ClCF <sub>3</sub>	F-13, R-13	1
75	Ethyl Chloride	C <sub>2</sub> H <sub>5</sub> Cl	C <sub>2</sub> H <sub>5</sub> Cl	Chloroethane or Ethane, Chloro or Ethyl Chloride	1
76	Bromine Trifluoride	BrF <sub>3</sub>	BrF <sub>3</sub>		1

Code	Gas Name	Symbol	Formula	Synonym	Ref
77	Chlorine Trifluoride	ClF3	ClF <sub>3</sub>		1
78	Nitrogen Trioxide	N2O3	N <sub>2</sub> O <sub>3</sub>		1
79	Boron Tribromide	BBr3	BBr <sub>3</sub>		1
80	Bromotrifluoromethane	CBrF3	BrCF <sub>3</sub>	F-13B1, R-13B1	1
81	Methyl vinyl ether	C3H6O	H <sub>3</sub> C-O-CH=CH <sub>2</sub>		1
82	Difluoroethane	C2H4F2	CH <sub>3</sub> CHF <sub>2</sub>	Ethylidene Fluoride, R-152A	1
83	Tribromomethane	CHBr3	CHBr <sub>3</sub>	Bromoform	2
84	Dichlorodifluoromethane	CCl2F2	CCl <sub>2</sub> F <sub>2</sub>	F-12, R-12	1
85	Dimethylamine	C2H7N	(CH <sub>3</sub> ) <sub>2</sub> NH		1
86	Sulfur Tetrafluoride	SF4	SF <sub>4</sub>		1
87	Sulfuryl Fluoride	SO2F2	SO <sub>2</sub> F <sub>2</sub>		1
88	Silicon Tetrafluoride	SiF4	SiF <sub>4</sub>		1
89	Propane	C3H8	CH <sub>3</sub> CH <sub>2</sub> CH <sub>3</sub>		1
90	Intentionally Left Blank				
91	Trichlorofluoromethane	CCl3F	CCl <sub>3</sub> F	F-11, R-11	1
92	Intentionally Left Blank				
93	Ethyl Acetylene	C4H6	CH <sub>3</sub> CH <sub>2</sub> C≡CH		1
94	Tetrafluoroethylene	C2F4	F <sub>2</sub> C=CF <sub>2</sub>		1
95	Nitrogen Tetroxide	N2O4	N <sub>2</sub> O <sub>4</sub>	Dinitrogenoxide	2
96	Arsenic Pentafluoride	AsF5	AsF <sub>5</sub>		2
97	Disilane	Si2H6	Si <sub>2</sub> H <sub>6</sub>		2
98	Transbutene	C4H8	CH <sub>3</sub> CH=CHCH <sub>3</sub>		2
99	Germanium Tetrafluoride	GeF4	GeF <sub>4</sub>	Tetrafluorogermane	2
100	Butadiene	C4H6	CH <sub>2</sub> =CH-CH=CH <sub>2</sub>	1,3-butadiene	1
101	Carbon Tetrachloride	CCl4	CCl <sub>4</sub>	Tetrachloromethane or Methane, Tetrachloro	2
102	Phosphorous Oxychloride	POCl3	POCl <sub>3</sub>		2
103	Difluorochloroethane	C2H3ClF2	CF <sub>2</sub> ClCH <sub>3</sub>	F-142B, R-142B	1
104	Butene	C4H8	CH <sub>3</sub> CH <sub>2</sub> CH=CH <sub>2</sub>	1-Butene	1
105	Bromotrifluoroethylene	C2BrF3	CF <sub>2</sub> CFBr		1
106	Isobutene	C4H8	(CH <sub>3</sub> ) <sub>2</sub> C=CH <sub>2</sub>	Isobutylene, Methylpropene	2
107	Cisbutene	C4H8	CH <sub>3</sub> CH=CHCH <sub>3</sub>	Cis-2-Butene	2
108	Silicon Tetrachloride	SiCl4	SiCl <sub>4</sub>	Tetrachlorosilane	2
109	Trimethylamine	C3H9N	(CH <sub>3</sub> ) <sub>3</sub> N		1
110	Sulfur Hexafluoride	SF6	SF <sub>6</sub>		1
111	Isobutane	C4H10	(CH <sub>3</sub> ) <sub>2</sub> CHCH <sub>3</sub>	2-Methylpropane or Propane, 2-Methyl	1
112	Trichloroethane	C2H3Cl3	CH <sub>3</sub> CCl <sub>3</sub>	TCA, Methylchloroform	2
113	Germanium Tetrachloride	GeCl4	GeCl <sub>4</sub>	Tetrachlorogermane	2
114	Titanium Tetrachloride	TiCl4	TiCl <sub>4</sub>		2
115	Iodine Pentafluoride	IF5	IF <sub>5</sub>		1
116	Bromine Pentafluoride	BrF5	BrF <sub>5</sub>		1
117	Butane	C4H10	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>2</sub> CH <sub>3</sub>		1

<i>Code</i>	<i>Gas Name</i>	<i>Symbol</i>	<i>Formula</i>	<i>Synonym</i>	<i>Ref</i>
118	Hexafluoroethane	C2F6	F <sub>3</sub> CCF <sub>3</sub>	F-116, Perfluoroethane	1
119	Chloropentafluoroethane	C2ClF5	ClCF <sub>2</sub> CF <sub>3</sub>	F-115, R-115	1
120	Methylbutene	C5H10	CH <sub>3</sub> CH <sub>2</sub> CCH <sub>3</sub> =CH <sub>2</sub>	2-Methyl-1-Butene	1
121	Tungsten Hexafluoride	WF6	WF <sub>6</sub>		2
122	Dimethylpropane	C5H12	(CH <sub>3</sub> ) <sub>4</sub> C	Neopentane	2
123	Uranium Hexafluoride	UF6	UF <sub>6</sub>		2
124	Molybdenum Hexafluoride	MoF6	MoF <sub>6</sub>		2
125	Dichlorotetrafluoroethane	C2Cl2F4	F <sub>3</sub> CCl <sub>2</sub> F	F-114, R-114	1
126	Trichlorotrifluoroethane	C2Cl3F3	CF <sub>2</sub> ClCCl <sub>2</sub> F	F-113, R-113	1
127	Hexane	C6H14	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>4</sub> CH <sub>3</sub>		2
128	Perfluoropropane	C3F8	CF <sub>2</sub> (CF <sub>3</sub> ) <sub>2</sub>		1
129	Octafluorocyclobutane	C4F8	(CF <sub>2</sub> ) <sub>4</sub>	Perfluorocyclobutane or Cyclobutane, Perfluoro	1
130	Dibromotetrafluoroethane	C2Br2F4	BrF <sub>2</sub> CCF <sub>2</sub> Br	F-114B2, R-114B2	1
131	Trimethoxyborine	C3H9BO3	B(OCH <sub>3</sub> ) <sub>3</sub>	TMB, Trimethyl borate	2
132	Trimethylphosphorous	C3H9P	(CH <sub>3</sub> ) <sub>3</sub> P	Trimethylphosphine, TMP	2
133	Trimethyl phosphite	C3H9PO3	(CH <sub>3</sub> O) <sub>3</sub> P	TMPi, Trimethoxyphosphine	2
134	Difluorosilane	SiH2F2	SiH <sub>2</sub> F <sub>2</sub>		10
135	Dimethylzinc	C2H6Zn	(CH <sub>3</sub> ) <sub>2</sub> Zn		3
136	Ethanol	C2H6O	CH <sub>3</sub> CH <sub>2</sub> OH		2
137	Halothane	C2HBrClF3	BrClHCCF <sub>3</sub>		6
138	Hexafluoropropylene	C3F6	CF <sub>3</sub> CF=CF <sub>2</sub>	Perfluoropropylene or Propylene, Perfluoro	1
139	Hexamethyldisilane	C6H18Si2	(CH <sub>3</sub> ) <sub>3</sub> Si <sub>2</sub> (CH <sub>3</sub> ) <sub>3</sub>	HMDSi, HMDS	3
140	Nickel Carbonyl	C4O4Ni	Ni(CO) <sub>4</sub>		1
141	Nitrosyl Chloride	NOCl	NOCl		1
142	Pentaborane	B5H9	B <sub>5</sub> H <sub>9</sub>		2
143	Phosphorus Pentafluoride	PF5	PF <sub>5</sub>		1
144	Tetraethoxysilane	C8H20O4Si	(C <sub>2</sub> H <sub>5</sub> O) <sub>4</sub> Si	TEOS	2
145	Tin Tetrachloride	SnCl4	SnCl <sub>4</sub>	Tetrachlorostannane	2
146	Tributylaluminum	C12H27Al	(CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> ) <sub>3</sub> Al	TBAI	3
147	Trichlorosilane	SiHCl3	SiHCl <sub>3</sub>		5
148	Triethylgallium	C6H15Ga	(C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> Ga	TEGa	4
149	Trimethylaluminum	C3H9Al	Al(CH <sub>3</sub> ) <sub>3</sub>	TMA, TMAI	4
150	Trimethylantimony	C3H9Sb	(CH <sub>3</sub> ) <sub>3</sub> Sb	Trimethylstibene	2
151	Trimethylarsenic	C3H9As	(CH <sub>3</sub> ) <sub>3</sub> As	Trimethylarsine, TMAs	2
152	Trimethylgallium	C3H9Ga	Ga(CH <sub>3</sub> ) <sub>3</sub>	TMGa	4
153	Trimethylindium	C3H9In	(CH <sub>3</sub> ) <sub>3</sub> In	TMIIn	3
154	Diethylsilane	C4H12Si	(C <sub>2</sub> H <sub>5</sub> ) <sub>2</sub> SiH <sub>2</sub>		2
155	Pentafluoroethane	C2HF5	CF <sub>3</sub> CHF <sub>2</sub>	F-125, R-125	9
156	Tetrafluoroethane	C2H2F4	CH <sub>2</sub> FCF <sub>3</sub>	R-134A, F-134A	2
157	Tetrafluorohydrazine	N2F4	F <sub>2</sub> NNF <sub>2</sub>	Dinitrogen Tetrafluoride	1
158	Tetramethylcyclotetra-siloxane	C4H16Si4O4	(CH <sub>3</sub> ) <sub>4</sub> H <sub>4</sub> (SiO) <sub>4</sub>	TOMCATS	7

<i>Code</i>	<i>Gas Name</i>	<i>Symbol</i>	<i>Formula</i>	<i>Synonym</i>	<i>Ref</i>
159	Tritium	T2	H <sub>3</sub> <sup>2</sup>	T2	2
160	Difluoromethane	CH2F2	CH <sub>2</sub> F <sub>2</sub>	Methylene Fluoride	2
161	Tertiarybutylarsine	C4H11As	C(CH <sub>3</sub> ) <sub>3</sub> AsH <sub>2</sub>	TBA	8
162	Tertiarybutylphosphine	C4H11P	C(CH <sub>3</sub> ) <sub>3</sub> PH <sub>2</sub>	TBP	8
163	Triethyl borate	C6H15O3B	B(OC <sub>2</sub> H <sub>5</sub> ) <sub>3</sub>	TEB, Triethoxyborane	2
164	Dimethylaluminum hydride	C2H7Al	(CH <sub>3</sub> ) <sub>2</sub> AlH	DMAH	14
165	Trimethylaminealane	C3H12AlN	(CH <sub>3</sub> ) <sub>3</sub> NAlH <sub>3</sub>	TMAA	12
166	Dimethylethylaminealane	C4H14NAI	(CH <sub>3</sub> ) <sub>2</sub> C <sub>2</sub> H <sub>5</sub> NAlH <sub>3</sub>	DMEAA	11
167	Nitric Acid	HNO3	HNO <sub>3</sub>		2
168	Tetrachloroethylene	C2Cl4	Cl <sub>2</sub> C=CCl <sub>2</sub>	Perchloroethylene orEthylene, Perchloro	2
169	Ethyleneglycol	C2H6O2	HOCH <sub>2</sub> CH <sub>2</sub> OH	Ehtanediol, Glycol	2
170	Hexanediol-1,6	C6H14O2	HO(CH <sub>2</sub> ) <sub>6</sub> OH	Hexyleneglycol, Hexamethyleneglycol	2
171	Sulfuric Acid	H2SO4	H <sub>2</sub> SO <sub>4</sub>		2
172	Chlorobenzene	C6H5Cl	C <sub>6</sub> H <sub>5</sub> Cl	Chlorobenzol, Phenylchloride	2
173	Acetonitrile	C2H3N	CH <sub>3</sub> CN		2
174	Ethylbenzene	C8H10	C <sub>6</sub> H <sub>5</sub> C <sub>2</sub> H <sub>5</sub>		2
175	Intentionally Left Blank				
176	Methanol	CH4O	CH <sub>3</sub> OH	Methyl Alcohol	2
177	Methylcyclohexane	C7H14	CH <sub>3</sub> C <sub>6</sub> H <sub>11</sub>	Hexahydrotoluene	2
178	4-Methyl, 1-Pentene	C6H12	(CH <sub>3</sub> ) <sub>2</sub> CHCH <sub>2</sub> CH=CH <sub>2</sub>		2
179	o-Xylene	C8H10	1,2-(CH <sub>3</sub> ) <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	1,2-Dimethylbenzene	2
180	Phenol	C6H6O	C <sub>6</sub> H <sub>5</sub> OH		2
181	Toluene	C7H8	C <sub>6</sub> H <sub>5</sub> CH <sub>3</sub>	Methylbenzene	2
182	Tetrahydrofuran	C4H8O	C <sub>4</sub> H <sub>8</sub> O		2
183	Methyltrichlorosilane	CH3Cl3Si	CH <sub>3</sub> SiCl <sub>3</sub>	MTS	2
184	Acetone	C3H6O	CH <sub>3</sub> COCH <sub>3</sub>		2
185	Methylsilane	CH6Si	CH <sub>3</sub> SiH <sub>3</sub>	Monomethylsilane	2
186	2,2 Dichloro 1,1,1 Trifluoroethane	C2HCl2F3	CHCl <sub>2</sub> -CF <sub>3</sub>	Freon 123, Suva 123	2
187	Isopropyl Alcohol	C3H8O	(CH <sub>3</sub> ) <sub>2</sub> CHOH	2-Propanol	2
188	Diethoxydimethylsilane	C6H16O2Si	(C <sub>2</sub> H <sub>5</sub> O) <sub>2</sub> Si(CH <sub>3</sub> ) <sub>2</sub>		2
189	Sulfur Monochloride	S2Cl2	S <sub>2</sub> Cl <sub>2</sub>		2
190	Trimethylsilane	C3H10Si	(CH <sub>3</sub> ) <sub>3</sub> SiH		2
191	Dichloroethylene -trans	C2H2Cl2	CHCl=CHCl		2
192	Hexafluorobenzene	C6F6	C <sub>6</sub> F <sub>6</sub>		2
193	Phosphorus Trichloride	PCI3	PCl <sub>3</sub>		2
194	Titanium Tetraisopropoxide	C12H28OTi	Ti(OC <sub>3</sub> H <sub>7</sub> ) <sub>4</sub>		1
195	Arsenic Trifluoride	AsF3	AsF <sub>3</sub>		2
196	Arsenic Triiodine	AsI3	AsI <sub>3</sub>		2
197	Benzene	C6H6	C <sub>6</sub> H <sub>6</sub>		2
198	Borazine	B3N3H6	H <sub>3</sub> B <sub>3</sub> N <sub>3</sub> H <sub>3</sub>		11
199	Bromochlorodifluoromethane	CBrClF2	BrClCF <sub>2</sub>		2

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200	Carbon Tetrabromide	CBr <sub>4</sub>	CBr <sub>4</sub>		2
201	Chlorine Dioxide	ClO <sub>2</sub>	ClO <sub>2</sub>		2
202	Chlorine Pentafluoride	ClF <sub>5</sub>	ClF <sub>5</sub>		2
203	Chlorodifluoroethane	C <sub>2</sub> H <sub>3</sub> ClF <sub>2</sub>	CH <sub>3</sub> -CF <sub>2</sub> Cl	R-142b	4
204	Chlorodifluoroethylene	C <sub>2</sub> HClF <sub>2</sub>	CF <sub>2</sub> =CHCl	R-1122, FREON-1122	4
205	Chlorosilane	SiH <sub>3</sub> Cl	SiH <sub>3</sub> Cl		2
206	Chlorotrifluoroethylene	C <sub>2</sub> ClF <sub>3</sub>	FCCl=CF <sub>2</sub>	R-1113, FREON-1113	2
207	Cyclobutane	C <sub>4</sub> H <sub>8</sub>	C <sub>4</sub> H <sub>8</sub>	Tetramethylene	2
208	Diazomethane	CH <sub>2</sub> N <sub>2</sub>	CH <sub>2</sub> N <sub>2</sub>	Acomethylene	2
209	Dibromodifluoromethane	CBr <sub>2</sub> F <sub>2</sub>	Br <sub>2</sub> CF <sub>2</sub>	R-12B2, FREON-12B2	2
210	Dichloroethylene	C <sub>2</sub> H <sub>2</sub> Cl <sub>2</sub>	CH <sub>2</sub> =CCl <sub>2</sub>	Vinylidene Chloride	2
211	Dichloroethylene -cis	C <sub>2</sub> H <sub>2</sub> Cl <sub>2</sub>	CHCl=CHCl		2
212	Dichlorodimethylsilane	C <sub>2</sub> H <sub>6</sub> SiCl <sub>2</sub>	(CH <sub>3</sub> ) <sub>2</sub> SiCl <sub>2</sub>		2
213	Diethylamine	C <sub>4</sub> H <sub>11</sub> N	(C <sub>2</sub> H <sub>5</sub> ) <sub>2</sub> NH		2
214	Diethylzinc	C <sub>4</sub> H <sub>10</sub> Zn	Zn(C <sub>2</sub> H <sub>5</sub> ) <sub>2</sub>		2
216	Arsenic Trichloride	AsCl <sub>3</sub>	AsCl <sub>3</sub>		2
217	Digermane	Ge <sub>2</sub> H <sub>6</sub>	Ge <sub>2</sub> H <sub>6</sub>		2
218	Dimethylcadmium	C <sub>2</sub> H <sub>6</sub> Cd	(CH <sub>3</sub> ) <sub>2</sub> Cd		2
219	Dimethylsilane	C <sub>2</sub> H <sub>8</sub> Si	(CH <sub>3</sub> ) <sub>2</sub> SiH <sub>2</sub>		2
220	Dimethyltellurium	C <sub>2</sub> H <sub>6</sub> Te	(CH <sub>3</sub> ) <sub>2</sub> Te		2
221	Ethyl Fluoride	C <sub>2</sub> H <sub>5</sub> F	CH <sub>3</sub> CH <sub>2</sub> F	Fluoroethane, R-161, FREON-161	2
222	Ethylene Dichloride	C <sub>2</sub> H <sub>4</sub> Cl <sub>2</sub>	ClCH <sub>2</sub> CH <sub>2</sub> Cl	1,2 Dichloroethane	2
223	Fluoroacetylene	C <sub>2</sub> HF	FC≡CH		2
224	Fluorotriethoxysilane	C <sub>6</sub> H <sub>15</sub> OSiF	(C <sub>2</sub> H <sub>5</sub> O) <sub>3</sub> SiF		2
225	Hexafluoroacetone	C <sub>3</sub> F <sub>6</sub> O	(CF <sub>3</sub> ) <sub>2</sub> CO		2
226	Aluminum Trifluoride	AlF <sub>3</sub>	AlF <sub>3</sub>		2
227	Hexamethyldisilazane	C <sub>6</sub> H <sub>19</sub> Si <sub>2</sub> N	(CH <sub>3</sub> ) <sub>6</sub> Si <sub>2</sub> NH		2
228	Hexamethyldisiloxane	C <sub>6</sub> H <sub>18</sub> Si <sub>2</sub> O	(CH <sub>3</sub> ) <sub>6</sub> Si <sub>2</sub> O		2
229	Hydrogen telluride	H <sub>2</sub> Te	H <sub>2</sub> Te		2
230	Iron Carbonyl	C <sub>5</sub> O <sub>5</sub> Fe	Fe(CO) <sub>5</sub>		2
231	Isopentane	C <sub>5</sub> H <sub>12</sub>	CH <sub>3</sub> CH <sub>2</sub> CH(CH <sub>3</sub> ) <sub>2</sub>	2-Methylbutane	2
232	Difluoroamidogen	NF <sub>2</sub>	NF <sub>2</sub>		2
233	Monoethylamine	C <sub>2</sub> H <sub>7</sub> N	C <sub>2</sub> H <sub>5</sub> NH <sub>2</sub>		2
234	Monomethyl Hydrazine	CH <sub>6</sub> N <sub>2</sub>	CH <sub>3</sub> N <sub>2</sub> H <sub>3</sub>		2
235	Nitromethane	CH <sub>3</sub> NO <sub>2</sub>	CH <sub>3</sub> NO <sub>2</sub>		2
236	Octafluorobutene	C <sub>4</sub> F <sub>8</sub>	C <sub>4</sub> F <sub>8</sub>	Octafluorobut-2-ene	3
237	Octane	C <sub>8</sub> H <sub>18</sub>	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>6</sub> CH <sub>3</sub>		2
238	Oxygen Dichloride	OCl <sub>2</sub>	OCl <sub>2</sub>		2
239	Pentaborane(11)	B <sub>5</sub> H <sub>11</sub>	B <sub>5</sub> H <sub>11</sub>		2
240	Pentane	C <sub>5</sub> H <sub>12</sub>	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>3</sub> CH <sub>3</sub>		2
241	Perfluorobutane	C <sub>4</sub> F <sub>10</sub>	C <sub>4</sub> F <sub>10</sub>		3



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242	Arsenic Tribromide	AsBr <sub>3</sub>	AsBr <sub>3</sub>		2
243	Rhenium Hexafluoride	ReF <sub>6</sub>	ReF <sub>6</sub>		2
244	Deuteriumsiline	SiD <sub>4</sub>	SiH <sup>2</sup> <sub>4</sub>		2
245	Stibine	SbH <sub>3</sub>	SbH <sub>3</sub>		2
246	Sulfur Trioxide	SO <sub>3</sub>	SO <sub>3</sub>		2
247	Tellurium Hexafluoride	TeF <sub>6</sub>	TeF <sub>6</sub>		2
248	Tetrachlorodiborane	B <sub>2</sub> Cl <sub>4</sub>	B <sub>2</sub> Cl <sub>4</sub>		2
249	Tetrafluorodiborane	B <sub>2</sub> F <sub>4</sub>	B <sub>2</sub> F <sub>4</sub>		2
250	Tetramethylgermanium	C <sub>4</sub> H <sub>12</sub> Ge	(CH <sub>3</sub> ) <sub>4</sub> Ge		2
251	Tetramethylsilane	C <sub>4</sub> H <sub>12</sub> Si	(CH <sub>3</sub> ) <sub>4</sub> Si		2
252	Tetramethyltin	C <sub>4</sub> H <sub>12</sub> Sn	(CH <sub>3</sub> ) <sub>4</sub> Sn		2
253	Tetrasilane	Si <sub>4</sub> H <sub>10</sub>	Si <sub>4</sub> H <sub>10</sub>		2
254	Titanium Tetraiodide	TiI <sub>4</sub>	TiI <sub>4</sub>		2
255	Tribromostibine	SbBr <sub>3</sub>	SbBr <sub>3</sub>		2
256	Trichlorostibine	SbCl <sub>3</sub>	SbCl <sub>3</sub>		2
257	Triethylaluminum	C <sub>6</sub> H <sub>15</sub> Al	(C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> Al		2
258	Triethylantimony	C <sub>6</sub> H <sub>15</sub> Sb	(C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> Sb		2
259	Trifluoroacetic Acid	CF <sub>3</sub> CO <sub>2</sub> H	CF <sub>3</sub> CO <sub>2</sub> H		2
260	Trifluoroacetonitrile	C <sub>2</sub> F <sub>3</sub> N	F <sub>3</sub> CCN		2
261	Trifluorosilane	SiHF <sub>3</sub>	SiHF <sub>3</sub>		2
262	Triisobutylaluminum	C <sub>12</sub> H <sub>27</sub> Al	(C <sub>4</sub> H <sub>9</sub> ) <sub>3</sub> Al		2
263	Xylene m-	C <sub>8</sub> H <sub>10</sub>	1,3-(CH <sub>3</sub> ) <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	1,3 Dimethyl Benzene	3
264	Xylene p-	C <sub>8</sub> H <sub>10</sub>	1,4-(CH <sub>3</sub> ) <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	1,4 Dimethyl Benzene	3
265	Dichloromethane	CH <sub>2</sub> Cl <sub>2</sub>	CH <sub>2</sub> Cl <sub>2</sub>		
266	Octafluorocyclopentene	C <sub>5</sub> F <sub>8</sub>	CF <sub>2</sub> =C(CF <sub>3</sub> )-CF=CF <sub>2</sub>		3
267	Hexafluoropropane	C <sub>3</sub> H <sub>2</sub> F <sub>6</sub>	CH <sub>2</sub> FCF <sub>2</sub> CF <sub>3</sub>	1,1,1,2,2,3-Hexafluoropropane	2
268	Methylene Bromide	CH <sub>2</sub> Br <sub>2</sub>	CH <sub>2</sub> Br <sub>2</sub>	UN 2664; Methyl dibromide, Dibromomethane	1
269	Hydrazoic Acid	HN <sub>3</sub>	HN <sub>3</sub>		1
270	Hexafluoro-2-Butyne	C <sub>4</sub> F <sub>6</sub>	CF <sub>3</sub> C≡CCF <sub>3</sub>	Bis(trifluoromethyl)acetylene; Perfluoro-2-butyne	3
271	Butanol-1	C <sub>4</sub> H <sub>10</sub> O	CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> OH	1-butanol	3
272	Hexafluoroacetylacetone	C <sub>5</sub> H <sub>2</sub> F <sub>6</sub> O <sub>2</sub>	C <sub>5</sub> H <sub>2</sub> F <sub>6</sub> O <sub>2</sub>		1
273	Tungsten Hexacarbonyl	C <sub>6</sub> O <sub>6</sub> W	W(CO) <sub>6</sub>		1
274	Triethyl Arsenate	C <sub>6</sub> H <sub>15</sub> O <sub>4</sub> As	(C <sub>2</sub> H <sub>5</sub> O) <sub>3</sub> AsO	TEAsat	1
275	Hafnium Tetranitrate	HfN <sub>4</sub> O <sub>12</sub>	Hf(NO <sub>3</sub> ) <sub>4</sub>	Hafnium nitrate	1
276	Acrylonitrile	C <sub>3</sub> H <sub>3</sub> N	CH <sub>2</sub> =CHCN	Acrylon; Propenenitrile	3
277	Trimethylborane	C <sub>3</sub> H <sub>9</sub> B	(CH <sub>3</sub> ) <sub>3</sub> B		2
278	Silicon Tetrabromide	Br <sub>4</sub> Si	Br <sub>4</sub> Si	SiBr <sub>4</sub> ; Tetrabromosilane; Silicon (IV) bromide	2
279	Tantalum (V) Ethoxide	C <sub>10</sub> H <sub>25</sub> O <sub>5</sub> Ta	Ta(OC <sub>2</sub> H <sub>5</sub> ) <sub>5</sub>	Ta(OEt) <sub>5</sub>	2
280	Diphenylmethylenediamine	C <sub>13</sub> H <sub>14</sub> N <sub>2</sub>	C <sub>13</sub> H <sub>14</sub> N <sub>2</sub>		2

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281	Diphenylmethan-4,4'-diisocyanat	C15H10N2O	C <sub>15</sub> H <sub>10</sub> N <sub>2</sub> O	UN 2489; Benzene, 1,1'-methylenebis(isocyanatophenyl)	2
282	Tetrakis(diethylamido)titanium	C16H40N4Ti	Ti(N(CH <sub>3</sub> ) <sub>2</sub> ) <sub>4</sub>	TDEAT	2
283	Acetic Acid	C2H4O2	CH <sub>3</sub> COOH	Ethanoic acid; UN 2789	2
284	Dimethyl Selenide	C2H6Se	C <sub>2</sub> H <sub>6</sub> Se	(CH <sub>3</sub> ) <sub>2</sub> Se; Selenium dimethyl; Dimethylselenium	2
285	Ethoxysilane	C2H8OSi	C <sub>2</sub> H <sub>8</sub> OSi		2
286	Hexafluoropropylene Oxide	C3F6O	C <sub>3</sub> F <sub>6</sub> O	Hexafluoroepoxypropane	2
287	Trimethoxysilane	C3H10O3Si	C <sub>3</sub> H <sub>10</sub> O <sub>3</sub> Si		2
288	Pentafluoropropanol	C3H3F5O	C <sub>2</sub> F <sub>5</sub> CH <sub>2</sub> OH	Perfluorodihydropropanol, 1,1,1,2,2-Pentafluoropropane	2
289	Acrylic Acid	C3H4O2	C <sub>3</sub> H <sub>4</sub> O <sub>2</sub>	2-Propenoic acid; CH <sub>2</sub> =CHCOOH	2
290	Trifluoropropane	C3H5F3	C <sub>3</sub> H <sub>5</sub> F <sub>3</sub>	1,1,1-Trifluoropropane; CH <sub>3</sub> CH <sub>2</sub> CF <sub>3</sub>	2
291	Ethyl Formate	C3H6O2	HCO <sub>2</sub> C <sub>2</sub> H <sub>5</sub>	Ethyl ester formic acid; HC00C2H5	3
292	Methyl Acetate	C3H6O2	CH <sub>3</sub> CO <sub>2</sub> CH <sub>3</sub>	Methyl ester acetic acid; UN 1231	3
293	Propenamine	C3H7N	C <sub>3</sub> H <sub>7</sub> N	Allylamine; Monoallylamine; UN 2334	2
294	Trimethyl Ester Phosphoric Acid	C3H9O4P	C <sub>3</sub> H <sub>9</sub> O <sub>4</sub> P	Trimethyl phosphate; Trimethoxyphosphine oxide	2
295	Heptafluoropropane	C3HF7	C <sub>3</sub> HF <sub>7</sub>	1,1,1,2,3,3,3-Heptafluoropropane, Freon 227	2
296	Hexafluorocyclobutene	C4F6	C <sub>4</sub> F <sub>6</sub>	Perfluorocyclobutene; 1,2,3,3,4,4-Hexafluorocyclobutene	3
297	Hexafluoro Butadiene-1,3	C4F6	CF <sub>2</sub> =CF-CF=CF <sub>2</sub>	Perfluorobutadiene-1,3	3
298	Diethyl Sulfide	C4H10S	C <sub>4</sub> H <sub>10</sub> S	UN 2375; Ethyl sulfide	2
299	Tetramethoxygermanium	C4H12GeO4	(CH <sub>3</sub> O) <sub>4</sub> Ge	Ge(OMe) <sub>4</sub>	2
300	Dimethoxydimethylsilane	C4H12O2Si	(CH <sub>3</sub> O) <sub>2</sub> Si(CH <sub>3</sub> ) <sub>2</sub>	KBM 22	2
301	Tetramethoxysilane	C4H12O4Si	(CH <sub>3</sub> O) <sub>4</sub> Si	Silicic Acid (H <sub>4</sub> SiO <sub>4</sub> ); Tetramethyl ester; Tetramethyl silicate	2
302	Tetramethyllead	C4H12Pb	(CH <sub>3</sub> ) <sub>4</sub> Pb	(CH <sub>3</sub> ) <sub>4</sub> Pb; Plumbane, tetramethyl	2
303	Trimethylvinylsilane	C5H12Si	(CH <sub>3</sub> ) <sub>3</sub> SiCH=CH <sub>2</sub>	Vinyltrimethylsilane; CH <sub>2</sub> =CHSi(CH <sub>3</sub> ) <sub>3</sub>	2
304	Pyridine	C5H5N	C <sub>5</sub> H <sub>5</sub> N	Azabenzene; Azine	2
305	Methyl Methacrylate Polymer	C5H8O2	CH <sub>2</sub> =C(CH <sub>3</sub> )COOCH <sub>3</sub>	Poly(methyl methacrylate); 2-Methyl-2-propenoic acid	2
306	Triethyarsine	C6H15As	(C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> As	Triethylarsenic	2
307	Triethoxyarsine	C6H15AsO3	(C <sub>2</sub> H <sub>5</sub> O) <sub>3</sub> As	Triethyl ester arsenous acid; Triethyl arsenite	2
308	Triethoxyborane	C6H15BO3	(C <sub>2</sub> H <sub>5</sub> O) <sub>3</sub> B	Boron triethoxide; triethyl borate	2
309	Triethylindium	C6H15In	(C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> In	Indium, triethyl	2

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310	Triethylamine	C <sub>6</sub> H <sub>15</sub> N	(C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> N	UN 1296	2
311	Triethoxyphosphine	C <sub>6</sub> H <sub>15</sub> O <sub>3</sub> P	(C <sub>2</sub> H <sub>5</sub> O) <sub>3</sub> P	Triethyl phosphite; UN 2323; Phosphorous acid, triethyl ester	2
312	Triethoxysilane	C <sub>6</sub> H <sub>16</sub> O <sub>3</sub> Si	(C <sub>2</sub> H <sub>5</sub> O) <sub>3</sub> SiH		2
313	Triethylsilane	C <sub>6</sub> H <sub>16</sub> Si	(C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> SiH	(C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> SiH, TES	2
314	Trimethylisoxazole	C <sub>6</sub> H <sub>9</sub> NO	CH <sub>3</sub> CH=CHCH=CHCONH <sub>2</sub>	3,4,5-Trimethylisoxazole, Sorbamide	3
315	Tetraethylgermane	C <sub>8</sub> H <sub>20</sub> Ge	(C <sub>2</sub> H <sub>5</sub> ) <sub>4</sub> Ge	(C <sub>2</sub> H <sub>5</sub> ) <sub>4</sub> Ge; Germanium tetraethyl	2
316	Tetraethyl lead	C <sub>8</sub> H <sub>20</sub> Pb	(C <sub>2</sub> H <sub>5</sub> ) <sub>4</sub> Pb	Plumbane, tetraethyl; UN 1649	2
317	Tetraethylsilane	C <sub>8</sub> H <sub>20</sub> Si	C <sub>8</sub> H <sub>20</sub> Si	Tetraethylsilane; Tetraethylsilicon; (C <sub>2</sub> H <sub>5</sub> ) <sub>4</sub> Si	2
318	Tetrakis(dimethylamido)titanium	C <sub>8</sub> H <sub>24</sub> N <sub>4</sub> Ti	[(CH <sub>3</sub> ) <sub>2</sub> N] <sub>4</sub> Ti	TDMAT	2
319	Styrene	C <sub>8</sub> H <sub>8</sub>	C <sub>6</sub> H <sub>5</sub> CH=CH <sub>2</sub>	Ethenylbenzene; UN 2055	2
320	Triallylamine	C <sub>9</sub> H <sub>15</sub> N	(CH <sub>2</sub> =CHCH <sub>2</sub> ) <sub>3</sub> N	Tri-2-propenylamine	2
321	Trifluoromethylhypofluorite	CF <sub>4</sub> O	CF <sub>3</sub> OF	CF <sub>3</sub> OF; Hypofluorous acid; trifluoromethyl ester	2
322	Formaldehyde	CH <sub>2</sub> O	HCHO	H <sub>2</sub> C <sub>0</sub> ; UN 1198; BFV	2
323	Iodomethane	CH <sub>3</sub> I	CH <sub>3</sub> I	Methyl iodide; UN 2644	2
324	Xenon difluoride	XeF <sub>2</sub>	XeF <sub>2</sub>	F <sub>2</sub> Xe; Xenon fluoride	2
325	Selenium hexafluoride	SeF <sub>6</sub>	SeF <sub>6</sub>	UN 2194; Selenium fluoride	2
326	Disilane hexafluoride	Si <sub>2</sub> F <sub>6</sub>	Si <sub>2</sub> F <sub>6</sub>	F <sub>6</sub> Si <sub>2</sub> ; Hexafluorodisilane	2
327	Fluorosilane	SiH <sub>3</sub> F	SiH <sub>3</sub> F	H <sub>3</sub> FSi	2
328	Trisilane	Si <sub>3</sub> H <sub>8</sub>	Si <sub>3</sub> H <sub>8</sub>	Silicopropane; Trisilicane; H <sub>8</sub> Si <sub>3</sub>	2
329	Mercury	Hg	Hg	UN 2809	2
330	Zinc	Zn	Zn	UN 1383	2
331	Acetaldehyde Methoxy	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	CH <sub>3</sub> OCH <sub>2</sub> CHO		3
332	Acetone,hydroxyl	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	CH <sub>3</sub> COCH <sub>2</sub> OH	Acetol	3
333	Glycol Methylene Ether	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	CH <sub>2</sub> -O-CH <sub>2</sub> -CH <sub>2</sub> -O	1,3-Dioxolane, Formal glycol	3
334	Propanoic Acid	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	CH <sub>3</sub> CH <sub>2</sub> CO <sub>2</sub> H	Propionic acid	3
335	Glycidol	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	CH <sub>2</sub> CHCH <sub>2</sub> OH	1-Propanol, 2,3 epoxy	3
336	Butanol-2	C <sub>4</sub> H <sub>10</sub> O	CH <sub>3</sub> CH <sub>2</sub> CH(OH)CH <sub>3</sub>		3
337	Tertiary Butyl Alcohol	C <sub>4</sub> H <sub>10</sub> O	(CH <sub>3</sub> ) <sub>3</sub> COH	TBA, t-Butanol, t-Butyl alcohol	3
338	Diethyl Ether	C <sub>4</sub> H <sub>10</sub> O	C <sub>2</sub> H <sub>5</sub> OC <sub>2</sub> H <sub>5</sub>		3
339	Methyl Propyl Ether	C <sub>4</sub> H <sub>10</sub> O	CH <sub>3</sub> OC <sub>3</sub> H <sub>7</sub>		3
340	Methyl Isopropyl Ether	C <sub>4</sub> H <sub>10</sub> O	(CH <sub>3</sub> ) <sub>2</sub> CHOCH <sub>3</sub>		3
341	Isobutyl Alcohol	C <sub>4</sub> H <sub>10</sub> O	(CH <sub>3</sub> ) <sub>2</sub> CHCH <sub>2</sub> OH		3
342	3-one-2,5-dimethyl Hexadiene	C <sub>8</sub> H <sub>10</sub>	CH <sub>2</sub> =C(CH <sub>3</sub> )C≡CC(CH <sub>3</sub> )CH <sub>2</sub>		3
343	1,7-Octadiyne	C <sub>8</sub> H <sub>10</sub>	HC≡C(CH <sub>2</sub> ) <sub>4</sub> C≡CH		3
344	2,6-Octadiyne	C <sub>8</sub> H <sub>10</sub>	CH <sub>3</sub> C≡CCH <sub>2</sub> CH <sub>2</sub> C≡CCH <sub>3</sub>		3
345	1,3,5,7-Octatetraene	C <sub>8</sub> H <sub>10</sub>	CH <sub>2</sub> =CHCH=CHCH=CHCH=CH <sub>2</sub>		3

Code	Gas Name	Symbol	Formula	Synonym	Ref
346	Niobium Pentachloride	NbCl5	NbCl <sub>5</sub>		3
347	Disilabutane	Si2C2H10	Si <sub>2</sub> C <sub>2</sub> H <sub>10</sub>		3
348	Ethane,1,1,1-Trifluoro	C2H3F3	C <sub>2</sub> H <sub>3</sub> F <sub>3</sub>	HFC-143a	3
349	Diselenium Dichloride	Se2Cl2	Se <sub>2</sub> Cl <sub>2</sub>		3
350	Deuterium Ammonia	ND3	ND <sub>3</sub>		3
351	Perfluoro (Oxacyclopentane)	C4F8O	C <sub>4</sub> F <sub>8</sub> O		3
352	Aluminum Trichloride	AlCl3	AlCl <sub>3</sub>	Trichloroalumane	13
353	Intentionally Left Blank				
354	2,2,3-trifluoro-3-(1,1,2,3,3-pentafluoroprop-2-enyl)oxirane	C5F8O	C <sub>5</sub> F <sub>8</sub> O	Epoxyperfluorocyclopentene	13
355	Intentionally Left Blank				
356	Intentionally Left Blank				
357	Natural Gas	NG	NG		2
358	Sulfur Trioxide	SO3	SO <sub>3</sub>	<u>Sulfan</u>	13
359	Tetrakis(ethylmethylamido) Hafnium	C12H32HfN4	[(CH <sub>3</sub> CH <sub>2</sub> )(CH <sub>3</sub> )N]4Hf	TEMAH	13
360	Trifluoroiodomethane	CF3I	CF <sub>3</sub> I		13
361	Methyl-(methylethyl)-cyclohexadiene	C10H16		ATRP, Alpha-Terpinene	
362	MethylDiethoxySilane	C5H14O2Si	CH <sub>3</sub> SiH(OC <sub>2</sub> H <sub>5</sub> ) <sub>2</sub>	mDEOE, DEMS	
363	Bicycloheptadiene	C7H8	C <sub>7</sub> H <sub>8</sub>	BCHD, Norbornadiene	
364	OctaMethylCyclo TetraSiloxane	C8H24O4Si4	(CH <sub>3</sub> CH <sub>3</sub> SiO) <sub>4</sub>	OMCTS	
365	Dichloromethylsilane	CH3SiHCl2	CH <sub>3</sub> SiHCl <sub>2</sub>	DCMS	2
366	Perfluoropropyl Iodide	C3F7I	C <sub>3</sub> F <sub>7</sub> I		2
367	Difluorodichlorosilane	SiF2Cl2	SiF <sub>2</sub> Cl <sub>2</sub>		2
368	Trisilylamine	H9NSi3	N(SiH <sub>3</sub> ) <sub>3</sub>		3
369	Tetrakis(trifluorophosphorus) nickel	Ni(PF3)4	Ni(PF <sub>3</sub> ) <sub>4</sub>		3
370	Heptafluorocyclopentene	C5HF7	C <sub>5</sub> HF <sub>7</sub>		15
371	Dimethylethylamine	C4H11N	(CH <sub>3</sub> ) <sub>2</sub> NCH <sub>2</sub> CH <sub>3</sub>		15
372	Nitroethane	C2H5NO2	C <sub>2</sub> H <sub>5</sub> NO <sub>2</sub>		15
373	Pentamethyl Silanamine	C5H15NSi	C <sub>5</sub> H <sub>15</sub> NSi	N,N-Dimethylamino Trimethylsilane	15
374	Dimethylethanolamine	C4H11NO	C <sub>4</sub> H <sub>11</sub> NO	N,N-Dimethylethanolamine	15
375	2-Chloro-1,1,1,2-Tetrafluoroethane	C2HC1F4	C <sub>2</sub> HCIF <sub>4</sub>	R124	15
376	2-Chlorobutane	C4H9Cl	C <sub>4</sub> H <sub>9</sub> Cl		15
377	Borane	H3B	BH <sub>3</sub>		15
378	Dimethylsulfide	C2H6S	C <sub>2</sub> H <sub>6</sub> S		15
379	Methacrolein	C4H6O	C <sub>4</sub> H <sub>6</sub> O	Methacrylaldehyde	15
380	Monoethanolamine	C2H7NO	C <sub>2</sub> H <sub>7</sub> NO	2-Amino-1-Ethanol, Glycinol	15
381	Perfluoromethyl-vinylether PMVE	C3H3F3O	CH <sub>2</sub> =CO-CF <sub>3</sub>		15
382	Trifluoropropene	C3H3F3	C(CH <sub>3</sub> )F=CF <sub>2</sub>		15
383	1,2-Propylene Oxide	C3H6O	CH <sub>3</sub> CHCH <sub>2</sub> O	Epoxypropane	15

Code	Gas Name	Symbol	Formula	Synonym	Ref
384	1,1,2,2-Tetrafluoroethane (R-134)	C2H2F4	CF <sub>2</sub> H-CF <sub>2</sub> H	R-134	15
385	2,3,3,3-Tetrafluoropropene	C3H2F4	CH <sub>2</sub> =CF <sub>2</sub> CF <sub>3</sub>		15
386	Butyltin Trichloride	C4H9Cl3Sn	C4H9Cl3Sn	n-Butyltin Trichloride	15
387	2-Fluorobutane	C4H9F	C4H9F		15
388	Diazene	N2H2	H2N2	Diimine, Diimide	15
389	Formic Acid	CHOOH	CH2O2	Methanoic acid	15
390	Tetramethylethylenediamine	C6H16N2	C6H16N2	TMEDA	
391	Tris(Dimethylamino)Silane	C6H19N3Si	C6H19N3Si	3-DMAS, tris(dimethylamido)silane, tris(dimethylamido)silylhydride	
392	Tetravinylsilane	C8H12Si	C8H12Si	Tetraethenylsilane	
393	trans-1,3,3,3-tetrafluoropropene	C3H2F4	C3H2F4	(1E)-1,3,3,3-tetrafluoro-1-propene	
394	Cyclohexane	C6H12	C6H12		
395	Octamethylcyclotetrasiloxane	[-Si(CH3)2O-]4	C8H24O4Si4	OMCTS	
396	Butylamine	CH3(CH2)3NH	C4H11N		
397	Pyrrole	C4H5N	C4H5N		
398	Propylamine	CH3(CH2)2NH2	C3H9N		

## 7 Gas Table Sorted by Name

Table 2 Gases Sorted by Name

Code	Gas Name	Symbol	Formula	Synonym	Ref
384	1,1,2,2-Tetrafluoroethane (R-134)	C2H2F4	CF <sub>2</sub> H-CF <sub>2</sub> H	R-134	15
383	1,2-Propylene Oxide	C3H6O	CH <sub>3</sub> CHCH <sub>2</sub> O	Epoxypropane	15
345	1,3,5,7-Octatetraene	C8H10	CH <sub>2</sub> =CHCH=CHCH=CHCH=CH <sub>2</sub>		3
343	1,7-Octadiyne	C8H10	HC≡C(CH <sub>2</sub> ) <sub>4</sub> C≡CH		3
186	2,2 Dichloro 1,1,1 Trifluoroethane	C2HCl2F3	CHCl <sub>2</sub> -CF <sub>3</sub>	Freon 123, Suva 123	2
354	2,2,3-trifluoro-3-(1,1,2,3,3-pentafluoroprop-2-enyl)oxirane	C5F8O	C5F8O	Epoxyperfluorocyclopentene	13
385	2,3,3,3-Tetrafluoropropene	C3H2F4	CH <sub>2</sub> =CF <sub>2</sub> CF <sub>3</sub>		15
344	2,6-Octadiyne	C8H10	CH <sub>3</sub> C≡CCH <sub>2</sub> CH <sub>2</sub> C≡CCH <sub>3</sub>		3
375	2-Chloro-1,1,1,2-Tetrafluoroethane	C2HC1F4	C <sub>2</sub> HClF <sub>4</sub>	R124	15
376	2-Chlorobutane	C4H9Cl	C4H9Cl		15
387	2-Fluorobutane	C4H9F	C4H9F		15
342	3-one-2,5-dimethyl hexadiene	C8H10	CH <sub>2</sub> =C(CH <sub>3</sub> )C≡CC(CH <sub>3</sub> )CH <sub>2</sub>		3
178	4-Methyl, 1-Pentene	C6H12	(CH <sub>3</sub> ) <sub>2</sub> CHCH <sub>2</sub> CH=CH <sub>2</sub>		2
331	Acetaldehyde Methoxy	C3H6O2	CH <sub>3</sub> OCH <sub>2</sub> CHO		3

Code	Gas Name	Symbol	Formula	Synonym	Ref
283	Acetic Acid	C2H4O2	CH <sub>3</sub> COOH	Ethanoic acid; UN 2789	2
184	Acetone	C3H6O	CH <sub>3</sub> COCH <sub>3</sub>		2
332	Acetone,hydroxyl	C3H6O2	CH <sub>3</sub> COCH <sub>2</sub> OH	Acetol	3
173	Acetonitrile	C2H3N	CH <sub>3</sub> CN		2
42	Acetylene	C2H2	HC≡CH	Ethyne	1
289	Acrylic Acid	C3H4O2	C <sub>3</sub> H <sub>4</sub> O <sub>2</sub>	2-Propenoic acid; CH <sub>2</sub> =CHCOOH	2
276	Acrylonitrile	C3H3N	CH <sub>2</sub> =CHCN	Acrylon; Propenenitrile	3
8	Air	Air			1
66	Allene	C3H4	CH <sub>2</sub> =C=CH <sub>2</sub>	Propadiene	1
352	Aluminum Trichloride	AlCl3	AlCl <sub>3</sub>	Trichloroalumane	13
226	Aluminum Trifluoride	AlF3	AlF <sub>3</sub>		2
29	Ammonia	NH3	NH <sub>3</sub>		1
4	Argon	Ar	Ar		1
96	Arsenic Pentafluoride	AsF5	AsF <sub>5</sub>		2
242	Arsenic Tribromide	AsBr3	AsBr <sub>3</sub>		2
216	Arsenic Trichloride	AsCl3	AsCl <sub>3</sub>		2
195	Arsenic Trifluoride	AsF3	AsF <sub>3</sub>		2
196	Arsenic Triiodine	AsI3	AsI <sub>3</sub>		2
35	Arsine	AsH3	AsH <sub>3</sub>		1
197	Benzene	C6H6	C <sub>6</sub> H <sub>6</sub>		2
363	Bicycloheptadiene	C7H8	C <sub>7</sub> H <sub>8</sub>	BCHD, Norbornadiene	
377	Borane	H3B	BH <sub>3</sub>		15
198	Borazine	B3N3H6	H <sub>3</sub> B <sub>3</sub> N <sub>3</sub> H <sub>3</sub>		11
79	Boron Tribromide	BBr3	BBr <sub>3</sub>		1
70	Boron Trichloride	BCl3	BCl <sub>3</sub>		1
48	Boron Trifluoride	BF3	BF <sub>3</sub>		1
21	Bromine	Br2	Br <sub>2</sub>		2
116	Bromine Pentafluoride	BrF5	BrF <sub>5</sub>		1
76	Bromine Trifluoride	BrF3	BrF <sub>3</sub>		1
199	Bromochlorodifluoromethane	CBrClF2	BrClCF <sub>2</sub>		2
105	Bromotrifluoroethylene	C2BrF3	CF <sub>2</sub> CFBr		1
80	Bromotrifluoromethane	CBrF3	BrCF <sub>3</sub>	F-13B1, R-13B1	1
100	Butadiene	C4H6	CH <sub>2</sub> =CH-CH=CH <sub>2</sub>	1,3-butadiene	1
117	Butane	C4H10	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>2</sub> CH <sub>3</sub>		1
271	Butanol-1	C4H10O	CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> OH	1-butanol	3
336	Butanol-2	C4H10O	CH <sub>3</sub> CH <sub>2</sub> CH(OH)CH <sub>3</sub>		3
104	Butene	C4H8	CH <sub>3</sub> CH <sub>2</sub> CH=CH <sub>2</sub>	1-Butene	1
396	Butylamine	CH3(CH2)3NH	C <sub>4</sub> H <sub>11</sub> N		
386	Butyltin Trichloride	C4H9Cl3Sn	C <sub>4</sub> H <sub>9</sub> Cl <sub>3</sub> Sn	n-Butyltin Trichloride	15
25	Carbon Dioxide	CO2	CO <sub>2</sub>		1
40	Carbon Disulfide	CS2	CS <sub>2</sub>		2

<i>Code</i>	<i>Gas Name</i>	<i>Symbol</i>	<i>Formula</i>	<i>Synonym</i>	<i>Ref</i>
9	Carbon Monoxide	CO	CO		1
200	Carbon Tetrabromide	CBr <sub>4</sub>	CBr <sub>4</sub>		2
101	Carbon Tetrachloride	CCl <sub>4</sub>	CCl <sub>4</sub>	Tetrachloromethane or Methane, Tetrachloro	2
63	Carbon Tetrafluoride	CF <sub>4</sub>	CF <sub>4</sub>	Tetrafluoromethane or Methane, Tetrafluoro	1
46	Carbonyl Fluoride	CF <sub>2</sub> O	CF <sub>2</sub> O		1
34	Carbonyl Sulfide	COS	COS		1
19	Chlorine	Cl <sub>2</sub>	Cl <sub>2</sub>		1
201	Chlorine Dioxide	ClO <sub>2</sub>	ClO <sub>2</sub>		2
202	Chlorine Pentafluoride	ClF <sub>5</sub>	ClF <sub>5</sub>		2
77	Chlorine Trifluoride	ClF <sub>3</sub>	ClF <sub>3</sub>		1
172	Chlorobenzene	C <sub>6</sub> H <sub>5</sub> Cl	C <sub>6</sub> H <sub>5</sub> Cl	Chlorobenzol, Phenylchloride	2
203	Chlorodifluoroethane	C <sub>2</sub> H <sub>3</sub> ClF <sub>2</sub>	CH <sub>3</sub> -CF <sub>2</sub> Cl	R-142b	4
204	Chlorodifluoroethylene	C <sub>2</sub> HClF <sub>2</sub>	CF <sub>2</sub> =CHCl	R-1122, FREON-1122	4
57	Chlorodifluoromethane	CHClF <sub>2</sub>	CClHF <sub>2</sub>	F-22, R-22	1
71	Chloroform	CHCl <sub>3</sub>	CHCl <sub>3</sub>	Trichloromethane or Methane, Trichloro	2
119	Chloropentafluoroethane	C <sub>2</sub> ClF <sub>5</sub>	ClCF <sub>2</sub> CF <sub>3</sub>	F-115, R-115	1
205	Chlorosilane	SiH <sub>3</sub> Cl	SiH <sub>3</sub> Cl		2
206	Chlorotrifluoroethylene	C <sub>2</sub> ClF <sub>3</sub>	FCCl=CF <sub>2</sub>	R-1113, FREON-1113	2
74	Chlorotrifluoromethane	CClF <sub>3</sub>	ClCF <sub>3</sub>	F-13, R-13	1
107	Cisbutene	C <sub>4</sub> H <sub>8</sub>	CH <sub>3</sub> CH=CHCH <sub>3</sub>	Cis-2-Butene	2
59	Cyanogen	C <sub>2</sub> N <sub>2</sub>	NCCN	Oxalodinitrile	1
37	Cyanogen Chloride	ClCN	ClCN		1
207	Cyclobutane	C <sub>4</sub> H <sub>8</sub>	C <sub>4</sub> H <sub>8</sub>	Tetramethylene	2
394	Cyclohexane	C <sub>6</sub> H <sub>12</sub>	C <sub>6</sub> H <sub>12</sub>		
61	Cyclopropane	C <sub>3</sub> H <sub>6</sub>	C <sub>3</sub> H <sub>6</sub>		1
14	Deuterium	D <sub>2</sub>	H <sub>2</sub> <sup>2</sup>	D2	2
350	Deuterium Ammonia	ND <sub>3</sub>	ND <sub>3</sub>		3
244	Deuteriumsiline	SiD <sub>4</sub>	SiH <sub>4</sub> <sup>2</sup>		2
388	Diazene	N <sub>2</sub> H <sub>2</sub>	H <sub>2</sub> N <sub>2</sub>	Diimine, Diimide	15
208	Diazomethane	CH <sub>2</sub> N <sub>2</sub>	CH <sub>2</sub> N <sub>2</sub>	Acomethylene	2
58	Diborane	B <sub>2</sub> H <sub>6</sub>	B <sub>2</sub> H <sub>6</sub>		1
209	Dibromodifluoromethane	CBr <sub>2</sub> F <sub>2</sub>	Br <sub>2</sub> CF <sub>2</sub>	R-12B2, FREON-12B2	2
130	Dibromotetrafluoroethane	C <sub>2</sub> Br <sub>2</sub> F <sub>4</sub>	BrF <sub>2</sub> CCF <sub>2</sub> Br	F-114B2, R-114B2	1
84	Dichlorodifluoromethane	CCl <sub>2</sub> F <sub>2</sub>	CCl <sub>2</sub> F <sub>2</sub>	F-12, R-12	1
212	Dichlorodimethylsilane	C <sub>2</sub> H <sub>6</sub> SiCl <sub>2</sub>	(CH <sub>3</sub> ) <sub>2</sub> SiCl <sub>2</sub>		2
210	Dichloroethylene	C <sub>2</sub> H <sub>2</sub> Cl <sub>2</sub>	CH <sub>2</sub> =CCl <sub>2</sub>	Vinylidene Chloride	2
211	Dichloroethylene -cis	C <sub>2</sub> H <sub>2</sub> Cl <sub>2</sub>	CHCl=CHCl		2
191	Dichloroethylene -trans	C <sub>2</sub> H <sub>2</sub> Cl <sub>2</sub>	CHCl=CHCl		2
65	Dichlorofluoromethane	CHCl <sub>2</sub> F	CHCl <sub>2</sub> F	F-21, R-21	1
265	Dichloromethane	CH <sub>2</sub> Cl <sub>2</sub>	CH <sub>2</sub> Cl <sub>2</sub>		

Code	Gas Name	Symbol	Formula	Synonym	Ref
365	Dichloromethylsilane	CH <sub>3</sub> SiHCl <sub>2</sub>	CH <sub>3</sub> SiHCl <sub>2</sub>	DCMS	2
67	Dichlorosilane	SiH <sub>2</sub> Cl <sub>2</sub>	SiH <sub>2</sub> Cl <sub>2</sub>		1
125	Dichlorotetrafluoroethane	C <sub>2</sub> Cl <sub>2</sub> F <sub>4</sub>	F <sub>3</sub> CCl <sub>2</sub> F	F-114, R-114	1
188	Diethoxydimethylsilane	C <sub>6</sub> H <sub>16</sub> O <sub>2</sub> Si	(C <sub>2</sub> H <sub>5</sub> O) <sub>2</sub> Si(CH <sub>3</sub> ) <sub>2</sub>		2
338	Diethyl Ether	C <sub>4</sub> H <sub>10</sub> O	C <sub>2</sub> H <sub>5</sub> OC <sub>2</sub> H <sub>5</sub>		3
298	Diethyl Sulfide	C <sub>4</sub> H <sub>10</sub> S	C <sub>4</sub> H <sub>10</sub> S	UN 2375; Ethyl sulfide	2
213	Diethylamine	C <sub>4</sub> H <sub>11</sub> N	(C <sub>2</sub> H <sub>5</sub> ) <sub>2</sub> NH		2
154	Diethylsilane	C <sub>4</sub> H <sub>12</sub> Si	(C <sub>2</sub> H <sub>5</sub> ) <sub>2</sub> SiH <sub>2</sub>		2
214	Diethylzinc	C <sub>4</sub> H <sub>10</sub> Zn	Zn(C <sub>2</sub> H <sub>5</sub> ) <sub>2</sub>		2
232	Difluoroamidogen	NF <sub>2</sub>	NF <sub>2</sub>		2
103	Difluorochloroethane	C <sub>2</sub> H <sub>3</sub> ClF <sub>2</sub>	CF <sub>2</sub> ClCH <sub>3</sub>	F-142B, R-142B	1
367	Difluorodichlorosilane	SiF <sub>2</sub> Cl <sub>2</sub>	SiF <sub>2</sub> Cl <sub>2</sub>		2
82	Difluoroethane	C <sub>2</sub> H <sub>4</sub> F <sub>2</sub>	CH <sub>3</sub> CHF <sub>2</sub>	Ethylidene Fluoride, R-152A	1
64	Difluoroethylene	C <sub>2</sub> H <sub>2</sub> F <sub>2</sub>	CH <sub>2</sub> =CF <sub>2</sub>	G-1132A, Vinylidene fluoride	1
160	Difluoromethane	CH <sub>2</sub> F <sub>2</sub>	CH <sub>2</sub> F <sub>2</sub>	Methylene Fluoride	2
134	Difluorosilane	SiH <sub>2</sub> F <sub>2</sub>	SiH <sub>2</sub> F <sub>2</sub>		10
217	Digermene	Ge <sub>2</sub> H <sub>6</sub>	Ge <sub>2</sub> H <sub>6</sub>		2
300	Dimethoxydimethylsilane	C <sub>4</sub> H <sub>12</sub> O <sub>2</sub> Si	(CH <sub>3</sub> O) <sub>2</sub> Si(CH <sub>3</sub> ) <sub>2</sub>	KBM 22	2
73	Dimethyl Ether	C <sub>2</sub> H <sub>6</sub> O	CH <sub>3</sub> OCH <sub>3</sub>	Methyl ether	1
284	Dimethyl Selenide	C <sub>2</sub> H <sub>6</sub> Se	C <sub>2</sub> H <sub>6</sub> Se	(CH <sub>3</sub> ) <sub>2</sub> Se; Selenium dimethyl; Dimethylselenium	2
164	Dimethylaluminum Hydride	C <sub>2</sub> H <sub>7</sub> Al	(CH <sub>3</sub> ) <sub>2</sub> AlH	DMAH	14
85	Dimethylamine	C <sub>2</sub> H <sub>7</sub> N	(CH <sub>3</sub> ) <sub>2</sub> NH		1
218	Dimethylcadmium	C <sub>2</sub> H <sub>6</sub> Cd	(CH <sub>3</sub> ) <sub>2</sub> Cd		2
374	Dimethylethanolamine	C <sub>4</sub> H <sub>11</sub> NO	C <sub>4</sub> H <sub>11</sub> NO	N,N-Dimethylethanolamine	15
371	Dimethylethylamine	C <sub>4</sub> H <sub>11</sub> N	(CH <sub>3</sub> ) <sub>2</sub> NCH <sub>2</sub> CH <sub>3</sub>		15
166	Dimethylethylaminealane	C <sub>4</sub> H <sub>14</sub> NAI	(CH <sub>3</sub> ) <sub>2</sub> C <sub>2</sub> H <sub>5</sub> NAIH <sub>3</sub>	DMEAA	11
122	Dimethylpropane	C <sub>5</sub> H <sub>12</sub>	(CH <sub>3</sub> ) <sub>4</sub> C	Neopentane	2
219	Dimethylsilane	C <sub>2</sub> H <sub>8</sub> Si	(CH <sub>3</sub> ) <sub>2</sub> SiH <sub>2</sub>		2
378	Dimethylsulfide	C <sub>2</sub> H <sub>6</sub> S	C <sub>2</sub> H <sub>6</sub> S		15
220	Dimethyltellurium	C <sub>2</sub> H <sub>6</sub> Te	(CH <sub>3</sub> ) <sub>2</sub> Te		2
135	Dimethylzinc	C <sub>2</sub> H <sub>6</sub> Zn	(CH <sub>3</sub> ) <sub>2</sub> Zn		3
281	Diphenylmethan-4,4'-diisocyanat	C <sub>15</sub> H <sub>10</sub> N <sub>2</sub> O	C <sub>15</sub> H <sub>10</sub> N <sub>2</sub> O	UN 2489; Benzene, 1,1'-methylenebis(isocyanatophenyl)	2
280	Diphenylmethylenediamine	C <sub>13</sub> H <sub>14</sub> N <sub>2</sub>	C <sub>13</sub> H <sub>14</sub> N <sub>2</sub>		2
349	Diselenium Dichloride	Se <sub>2</sub> Cl <sub>2</sub>	Se <sub>2</sub> Cl <sub>2</sub>		3
347	Disilabutane	Si <sub>2</sub> C <sub>2</sub> H <sub>10</sub>	Si <sub>2</sub> C <sub>2</sub> H <sub>10</sub>		3
97	Disilane	Si <sub>2</sub> H <sub>6</sub>	Si <sub>2</sub> H <sub>6</sub>		2
326	Disilane Hexafluoride	Si <sub>2</sub> F <sub>6</sub>	Si <sub>2</sub> F <sub>6</sub>	F <sub>6</sub> Si <sub>2</sub> ; Hexafluorodisilane	2
54	Ethane	C <sub>2</sub> H <sub>6</sub>	CH <sub>3</sub> CH <sub>3</sub>		1
348	Ethane, 1,1,1-Trifluoro	C <sub>2</sub> H <sub>3</sub> F <sub>3</sub>	C <sub>2</sub> H <sub>3</sub> F <sub>3</sub>	HFC-143a	3
136	Ethanol	C <sub>2</sub> H <sub>6</sub> O	CH <sub>3</sub> CH <sub>2</sub> OH		2
285	Ethoxysilane	C <sub>2</sub> H <sub>8</sub> OSi	C <sub>2</sub> H <sub>8</sub> OSi		2



<i>Code</i>	<i>Gas Name</i>	<i>Symbol</i>	<i>Formula</i>	<i>Synonym</i>	<i>Ref</i>
93	Ethyl Acetylene	C <sub>4</sub> H <sub>6</sub>	CH <sub>3</sub> CH <sub>2</sub> C≡CH		1
75	Ethyl Chloride	C <sub>2</sub> H <sub>5</sub> Cl	C <sub>2</sub> H <sub>5</sub> Cl	Chloroethane or Ethane, Chloro or Ethyl Chloride	1
221	Ethyl Fluoride	C <sub>2</sub> H <sub>5</sub> F	CH <sub>3</sub> CH <sub>2</sub> F	Fluoroethane, R-161, FREON-161	2
291	Ethyl Formate	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	HCO <sub>2</sub> C <sub>2</sub> H <sub>5</sub>	Ethyl ester formic acid; HC00C2H5	3
174	Ethylbenzene	C <sub>8</sub> H <sub>10</sub>	C <sub>6</sub> H <sub>5</sub> C <sub>2</sub> H <sub>5</sub>		2
38	Ethylene	C <sub>2</sub> H <sub>4</sub>	CH <sub>2</sub> =CH <sub>2</sub>	Ethene	1
222	Ethylene Dichloride	C <sub>2</sub> H <sub>4</sub> Cl <sub>2</sub>	ClCH <sub>2</sub> CH <sub>2</sub> Cl	1,2 Dichloroethane	2
45	Ethylene Oxide	C <sub>2</sub> H <sub>4</sub> O	C <sub>2</sub> H <sub>4</sub> O	Oxirane, 1,2-epoxyethane	1
169	Ethylene glycol	C <sub>2</sub> H <sub>6</sub> O <sub>2</sub>	HOCH <sub>2</sub> CH <sub>2</sub> OH	Ehtanediol, Glycol	2
18	Fluorine	F <sub>2</sub>	F <sub>2</sub>		1
223	Fluoroacetylene	C <sub>2</sub> HF	FC≡CH		2
49	Fluoroform	CHF <sub>3</sub>	CHF <sub>3</sub>	Trifluoromethane or Methane, Trifluoro, F-23, R-23	1
327	Fluorosilane	SiH <sub>3</sub> F	SiH <sub>3</sub> F	H <sub>3</sub> FSi	2
224	Fluorotriethoxysilane	C <sub>6</sub> H <sub>15</sub> O <sub>3</sub> SiF	(C <sub>2</sub> H <sub>5</sub> O) <sub>3</sub> SiF		2
322	Formaldehyde	CH <sub>2</sub> O	HCHO	H <sub>2</sub> CO; UN 1198; BFV	2
389	Formic Acid	CHOOH	CH <sub>2</sub> O <sub>2</sub>	Methanoic acid	15
43	Germane	GeH <sub>4</sub>	GeH <sub>4</sub>		1
113	Germanium Tetrachloride	GeCl <sub>4</sub>	GeCl <sub>4</sub>	Tetrachlorogermane	2
99	Germanium Tetrafluoride	GeF <sub>4</sub>	GeF <sub>4</sub>	Tetrafluorogermane	2
335	Glycidol	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	CH <sub>2</sub> CHCH <sub>2</sub> OH	1-Propanol, 2,3 epoxy	3
333	Glycol Methylene Ether	C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>	CH <sub>2</sub> -O-CH <sub>2</sub> -CH <sub>2</sub> -O	1,3-Dioxolane, Formal glycol	3
275	Hafnium Tetranitrate	HfN <sub>4</sub> O <sub>12</sub>	Hf(NO <sub>3</sub> ) <sub>4</sub>	Hafnium nitrate	1
137	Halothane	C <sub>2</sub> HBrClF <sub>3</sub>	BrClHCCF <sub>3</sub>		6
1	Helium	He	He		1
370	Heptafluorocyclopentene	C <sub>5</sub> HF <sub>7</sub>	C <sub>5</sub> HF <sub>7</sub>		15
295	Heptafluoropropane	C <sub>3</sub> HF <sub>7</sub>	C <sub>3</sub> HF <sub>7</sub>	1,1,1,2,3,3,3-Heptafluoropropane, Freon 227	2
297	Hexafluoro Butadiene-1,3	C <sub>4</sub> F <sub>6</sub>	CF <sub>2</sub> =CF-CF=CF <sub>2</sub>	Perfluorobutadiene-1,3	3
270	Hexafluoro-2-Butyne	C <sub>4</sub> F <sub>6</sub>	CF <sub>3</sub> C≡CCF <sub>3</sub>	Bis(trifluoromethyl)acetylene; Perfluoro-2-butyne	3
225	Hexafluoroacetone	C <sub>3</sub> F <sub>6</sub> O	(CF <sub>3</sub> ) <sub>2</sub> CO		2
272	Hexafluoroacetylacetone	C <sub>5</sub> H <sub>2</sub> F <sub>6</sub> O <sub>2</sub>	C <sub>5</sub> H <sub>2</sub> F <sub>6</sub> O <sub>2</sub>		1
192	Hexafluorobenzene	C <sub>6</sub> F <sub>6</sub>	C <sub>6</sub> F <sub>6</sub>		2
296	Hexafluorocyclobutene	C <sub>4</sub> F <sub>6</sub>	C <sub>4</sub> F <sub>6</sub>	Perfluorocyclobutene; 1,2,3,3,4,4-Hexafluorocyclobutene	3
118	Hexafluoroethane	C <sub>2</sub> F <sub>6</sub>	F <sub>3</sub> CCF <sub>3</sub>	F-116, Perfluoroethane	1
267	Hexafluoropropane	C <sub>3</sub> H <sub>2</sub> F <sub>6</sub>	CH <sub>2</sub> FCF <sub>2</sub> CF <sub>3</sub>	1,1,1,2,2,3-Hexafluoropropane	2
138	Hexafluoropropylene	C <sub>3</sub> F <sub>6</sub>	CF <sub>3</sub> CF=CF <sub>2</sub>	Perfluoropropylene or Propylene, Perfluoro	1
286	Hexafluoropropylene Oxide	C <sub>3</sub> F <sub>6</sub> O	C <sub>3</sub> F <sub>6</sub> O	Hexafluoroepoxypropane	2

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139	Hexamethyldisilane	C6H18Si2	(CH <sub>3</sub> ) <sub>3</sub> Si <sub>2</sub> (CH <sub>3</sub> ) <sub>3</sub>	HMDSi, HMDS	3
227	Hexamethyldisilazane	C6H19Si2N	(CH <sub>3</sub> ) <sub>6</sub> Si <sub>2</sub> NH		2
228	Hexamethyldisiloxane	C6H18Si2O	(CH <sub>3</sub> ) <sub>6</sub> Si <sub>2</sub> O		2
127	Hexane	C6H14	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>4</sub> CH <sub>3</sub>		2
170	Hexanediol-1,6	C6H14O2	HO(CH <sub>2</sub> ) <sub>6</sub> OH	Hexyleneglycol, Hexamethyleneglycol	2
50	Hydrazine	N2H4	H <sub>2</sub> NNH <sub>2</sub>		2
269	Hydrazoic Acid	HN3	HN <sub>3</sub>		1
7	Hydrogen	H2	H <sub>2</sub>		1
10	Hydrogen Bromide	HBr	HBr		1
11	Hydrogen Chloride	HCl	HCl		1
24	Hydrogen Cyanide	HCN	HCN		1
12	Hydrogen Fluoride	HF	HF		1
17	Hydrogen Iodide	HI	HI		1
23	Hydrogen Selenide	H2Se	H <sub>2</sub> Se		1
22	Hydrogen Sulfide	H2S	H <sub>2</sub> S		1
229	Hydrogen Telluride	H2Te	H <sub>2</sub> Te		2
90	Intentionally Left Blank				
92	Intentionally Left Blank				
175	Intentionally Left Blank				
353	Intentionally Left Blank				
355	Intentionally Left Blank				
356	Intentionally Left Blank				
115	Iodine Pentafluoride	IF5	IF <sub>5</sub>		1
323	Iodomethane	CH3I	CH <sub>3</sub> I	Methyl iodide; UN 2644	2
230	Iron Carbonyl	C5O5Fe	Fe(CO) <sub>5</sub>		2
111	Isobutane	C4H10	(CH <sub>3</sub> ) <sub>2</sub> CHCH <sub>3</sub>	2-Methylpropane or Propane, 2-Methyl	1
106	Isobutene	C4H8	(CH <sub>3</sub> ) <sub>2</sub> C=CH <sub>2</sub>	Isobutylene, Methylpropene	2
341	Isobutyl Alcohol	C4H10O	(CH <sub>3</sub> ) <sub>2</sub> CHCH <sub>2</sub> OH		3
231	Isopentane	C5H12	CH <sub>3</sub> CH <sub>2</sub> CH(CH <sub>3</sub> ) <sub>2</sub>	2-Methylbutane	2
187	Isopropyl Alcohol	C3H8O	(CH <sub>3</sub> ) <sub>2</sub> CHOH	2-Propanol	2
5	Krypton	Kr	Kr		1
329	Mercury	Hg	Hg	UN 2809	2
379	Methacrolein	C4H6O	C <sub>4</sub> H <sub>6</sub> O	Methacrylaldehyde	15
28	Methane	CH4	CH <sub>4</sub>		1
176	Methanol	CH4O	CH <sub>3</sub> OH	Methyl Alcohol	2
292	Methyl Acetate	C3H6O2	CH <sub>3</sub> CO <sub>2</sub> CH <sub>3</sub>	Methyl ester acetic acid; UN 1231	3
68	Methyl Acetylene	C3H4	CH <sub>3</sub> C≡CH	Propyne	1
44	Methyl Bromide	CH3Br	CH <sub>3</sub> Br	Bromomethane or Methane, Bromo	1
36	Methyl Chloride	CH3Cl	CH <sub>3</sub> Cl	Chloromethane or Methane, Chloro	1

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33	Methyl Fluoride	CH3F	CH <sub>3</sub> F	Fluoromethane or Methane, Fluoro	1
340	Methyl Isopropyl Ether	C4H10O	(CH <sub>3</sub> ) <sub>2</sub> CHOCH <sub>3</sub>		3
47	Methyl Mercaptan	CH4S	CH <sub>3</sub> SH		1
305	Methyl Methacrylate Polymer	C5H8O2	CH <sub>2</sub> =C(CH <sub>3</sub> )COOCH <sub>3</sub>	Poly(methyl methacrylate); 2-Methyl-2-propenoic acid	2
339	Methyl Propyl Ether	C4H10O	CH <sub>3</sub> OC <sub>3</sub> H <sub>7</sub>		3
81	Methyl Vinyl Ether	C3H6O	H <sub>3</sub> C-O-CH=CH <sub>2</sub>		1
361	Methyl-(methylethyl)-cyclohexadiene	C10H16		ATRP, Alpha-Terpinene	
52	Methylamine	CH5N	CH <sub>3</sub> NH <sub>2</sub>	Amino Methane, Monomethylamine	2
120	Methylbutene	C5H10	CH <sub>3</sub> CH <sub>2</sub> CCH <sub>3</sub> =CH <sub>2</sub>	2-Methyl-1-Butene	1
177	Methylcyclohexane	C7H14	CH <sub>3</sub> C <sub>6</sub> H <sub>11</sub>	Hexahydrotoluene	2
362	MethylDiethoxySilane	C5H14O2Si	CH <sub>3</sub> SiH(OC <sub>2</sub> H <sub>5</sub> ) <sub>2</sub>	mDEOE, DEMS	
268	Methylene Bromide	CH2Br2	CH <sub>2</sub> Br <sub>2</sub>	UN 2664; Methyl dibromide, Dibromomethane	1
185	Methylsilane	CH6Si	CH <sub>3</sub> SiH <sub>3</sub>	Monomethylsilane	2
183	Methyltrichlorosilane	CH3Cl3Si	CH <sub>3</sub> SiCl <sub>3</sub>	MTS	2
124	Molybdenum Hexafluoride	MoF6	MoF <sub>6</sub>		2
380	Monoethanolamine	C2H7NO	C <sub>2</sub> H <sub>7</sub> NO	2-Amino-1-Ethanol, Glycinol	15
233	Monoethylamine	C2H7N	C <sub>2</sub> H <sub>5</sub> NH <sub>2</sub>		2
234	Monomethyl Hydrazine	CH6N2	CH <sub>3</sub> N <sub>2</sub> H <sub>3</sub>		2
357	Natural Gas	NG	NG		2
2	Neon	Ne	Ne		1
140	Nickel Carbonyl	C4O4Ni	Ni(CO) <sub>4</sub>		1
346	Niobium Pentachloride	NbCl5	NbCl <sub>5</sub>		3
167	Nitric Acid	HNO3	HNO <sub>3</sub>		2
16	Nitric Oxide	NO	NO		2
372	Nitroethane	C2H5NO2	C <sub>2</sub> H <sub>5</sub> NO <sub>2</sub>		15
13	Nitrogen	N2	N <sub>2</sub>		1
26	Nitrogen Dioxide	NO2	NO <sub>2</sub>		1
95	Nitrogen Tetroxide	N2O4	N <sub>2</sub> O <sub>4</sub>	Dinitrogenoxide	2
53	Nitrogen Trifluoride	NF3	NF <sub>3</sub>		1
78	Nitrogen Trioxide	N2O3	N <sub>2</sub> O <sub>3</sub>		1
235	Nitromethane	CH3NO2	CH <sub>3</sub> NO <sub>2</sub>		2
141	Nitrosyl Chloride	NOCl	NOCl		1
27	Nitrous Oxide	N2O	N <sub>2</sub> O		1
236	Octafluorobutene	C4F8	C <sub>4</sub> F <sub>8</sub>	Octafluorobut-2-ene	3
129	Octafluorocyclobutane	C4F8	(CF <sub>2</sub> ) <sub>4</sub>	Perfluorocyclobutane or Cyclobutane, Perfluoro	1
266	Octafluorocyclopentene	C5F8	CF <sub>2</sub> =C(CF <sub>3</sub> )-CF=CF <sub>2</sub>		3
395	Octamethylcyclotetrasiloxane	[-Si(CH3)2O-]4	C <sub>8</sub> H <sub>24</sub> O <sub>4</sub> Si <sub>4</sub>	OMCTS	
364	OctaMethylCyclo TetraSiloxane	C8H24O4Si4	(CH <sub>3</sub> CH <sub>3</sub> SiO) <sub>4</sub>	OMCTS	

<i>Code</i>	<i>Gas Name</i>	<i>Symbol</i>	<i>Formula</i>	<i>Synonym</i>	<i>Ref</i>
237	Octane	C8H18	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>6</sub> CH <sub>3</sub>		2
15	Oxygen	O2	O <sub>2</sub>		1
238	Oxygen Dichloride	OCl2	OCl <sub>2</sub>		2
41	Oxygen Difluoride	OF2	OF <sub>2</sub>		1
179	o-Xylene	C8H10	1,2-(CH <sub>3</sub> ) <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	1,2-Dimethylbenzene	2
30	Ozone	O3	O <sub>3</sub>		1
142	Pentaborane	B5H9	B <sub>5</sub> H <sub>9</sub>		2
239	Pentaborane(11)	B5H11	B <sub>5</sub> H <sub>11</sub>		2
155	Pentafluoroethane	C2HF5	CF <sub>3</sub> CHF <sub>2</sub>	F-125, R-125	9
288	Pentafluoropropanol	C3H3F5O	C <sub>2</sub> F <sub>5</sub> CH <sub>2</sub> OH	Perfluorodihydropropanol, 1,1,1,2,2-Pentafluoropropane	2
373	Pentamethyl Silanamine	C5H15NSi	C <sub>5</sub> H <sub>15</sub> NSi	N,N-Dimethylamino Trimethylsilane	15
240	Pentane	C5H12	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>3</sub> CH <sub>3</sub>		2
72	Perchloryl Fluoride	ClO3F	ClO <sub>3</sub> F		1
351	Perfluoro (Oxacyclopentane)	C4F8O	C <sub>4</sub> F <sub>8</sub> O		3
241	Perfluorobutane	C4F10	C <sub>4</sub> F <sub>10</sub>		3
381	Perfluoromethyl-vinylether PMVE	C3H3F3O	CH <sub>2</sub> =CO-CF <sub>3</sub>		15
128	Perfluoropropane	C3F8	CF <sub>2</sub> (CF <sub>3</sub> ) <sub>2</sub>		1
366	Perfluoropropyl Iodide	C3F7I	C <sub>3</sub> F <sub>7</sub> I		2
180	Phenol	C6H6O	C <sub>6</sub> H <sub>5</sub> OH		2
60	Phosgene	CCl2O	CCl <sub>2</sub> O	Carbonyl Chloride	1
31	Phosphine	PH3	PH <sub>3</sub>		1
102	Phosphorous Oxichloride	POCl3	POCl <sub>3</sub>		2
143	Phosphorus Pentafluoride	PF5	PF <sub>5</sub>		1
193	Phosphorus Trichloride	PCl3	PCl <sub>3</sub>		2
62	Phosphorus Trifluoride	PF3	PF <sub>3</sub>		1
89	Propane	C3H8	CH <sub>3</sub> CH <sub>2</sub> CH <sub>3</sub>		1
334	Propanoic Acid	C3H6O2	CH <sub>3</sub> CH <sub>2</sub> CO <sub>2</sub> H	Propionic acid	3
293	Propenamine	C3H7N	C <sub>3</sub> H <sub>7</sub> N	Allylamine; Monoallylamine; UN 2334	2
398	Propylamine	CH3(CH2)2NH2	C <sub>3</sub> H <sub>9</sub> N		
69	Propylene	C3H6	CH <sub>3</sub> CH=CH <sub>2</sub>	Propene	1
304	Pyridine	C5H5N	C <sub>5</sub> H <sub>5</sub> N	Azabenzene; Azine	2
397	Pyrrole	C4H5N	C <sub>4</sub> H <sub>5</sub> N		
3	Radon	Rn	Rn		2
243	Rhenium Hexafluoride	ReF6	ReF <sub>6</sub>		2
325	Selenium Hexafluoride	SeF6	SeF <sub>6</sub>	UN 2194; Selenium fluoride	2
39	Silane	SiH4	SiH <sub>4</sub>		1
278	Silicon Tetrabromide	Br4Si	Br <sub>4</sub> Si	SiBr <sub>4</sub> ; Tetrabromosilane; Silicon (IV) bromide	2
108	Silicon Tetrachloride	SiCl4	SiCl <sub>4</sub>	Tetrachlorosilane	2
88	Silicon Tetrafluoride	SiF4	SiF <sub>4</sub>		1

Code	Gas Name	Symbol	Formula	Synonym	Ref
245	Stibine	SbH <sub>3</sub>	SbH <sub>3</sub>		2
319	Styrene	C <sub>8</sub> H <sub>8</sub>	C <sub>6</sub> H <sub>5</sub> CH=CH <sub>2</sub>	Ethenylbenzene; UN 2055	2
32	Sulfur Dioxide	SO <sub>2</sub>	SO <sub>2</sub>		1
110	Sulfur Hexafluoride	SF <sub>6</sub>	SF <sub>6</sub>		1
189	Sulfur Monochloride	S <sub>2</sub> Cl <sub>2</sub>	S <sub>2</sub> Cl <sub>2</sub>		2
86	Sulfur Tetrafluoride	SF <sub>4</sub>	SF <sub>4</sub>		1
246	Sulfur Trioxide	SO <sub>3</sub>	SO <sub>3</sub>		2
358	Sulfur Trioxide	SO <sub>3</sub>	SO <sub>3</sub>	<u>Sulfan</u>	13
171	Sulfuric Acid	H <sub>2</sub> SO <sub>4</sub>	H <sub>2</sub> SO <sub>4</sub>		2
87	Sulfuryl Fluoride	SO <sub>2</sub> F <sub>2</sub>	SO <sub>2</sub> F <sub>2</sub>		1
279	Tantalum (V) ethoxide	C <sub>10</sub> H <sub>25</sub> O <sub>5</sub> Ta	Ta(OC <sub>2</sub> H <sub>5</sub> ) <sub>5</sub>	Ta(OEt) <sub>5</sub>	2
247	Tellurium Hexafluoride	TeF <sub>6</sub>	TeF <sub>6</sub>		2
337	Tertiary Butyl Alcohol	C <sub>4</sub> H <sub>10</sub> O	(CH <sub>3</sub> ) <sub>3</sub> COH	TBA, t-Butanol, t-Butyl alcohol	3
161	Tertiarybutylarsine	C <sub>4</sub> H <sub>11</sub> As	C(CH <sub>3</sub> ) <sub>3</sub> AsH <sub>2</sub>	TBA	8
162	Tertiarybutylphosphine	C <sub>4</sub> H <sub>11</sub> P	C(CH <sub>3</sub> ) <sub>3</sub> PH <sub>2</sub>	TBP	8
248	Tetrachlorodiborane	B <sub>2</sub> Cl <sub>4</sub>	B <sub>2</sub> Cl <sub>4</sub>		2
168	Tetrachloroethylene	C <sub>2</sub> Cl <sub>4</sub>	Cl <sub>2</sub> C=CCl <sub>2</sub>	Perchloroethylene or Ethylene, Perchloro	2
144	Tetraethoxysilane	C <sub>8</sub> H <sub>20</sub> O <sub>4</sub> Si	(C <sub>2</sub> H <sub>5</sub> O) <sub>4</sub> Si	TEOS	2
316	Tetraethyl Lead	C <sub>8</sub> H <sub>20</sub> Pb	(C <sub>2</sub> H <sub>5</sub> ) <sub>4</sub> Pb	Plumbane, tetraethyl; UN 1649	2
315	Tetraethylgermane	C <sub>8</sub> H <sub>20</sub> Ge	(C <sub>2</sub> H <sub>5</sub> ) <sub>4</sub> Ge	(C <sub>2</sub> H <sub>5</sub> ) <sub>4</sub> Ge; Germanium tetraethyl	2
317	Tetraethylsilane	C <sub>8</sub> H <sub>20</sub> Si	C <sub>8</sub> H <sub>20</sub> Si	Tetraethylsilane; Tetraethylsilicon; (C <sub>2</sub> H <sub>5</sub> ) <sub>4</sub> Si	2
94	Tetrafluoroethylene	C <sub>2</sub> F <sub>4</sub>	F <sub>2</sub> C=CF <sub>2</sub>		1
249	Tetrafluorodiborane	B <sub>2</sub> F <sub>4</sub>	B <sub>2</sub> F <sub>4</sub>		2
156	Tetrafluoroethane	C <sub>2</sub> H <sub>2</sub> F <sub>4</sub>	CH <sub>2</sub> FCF <sub>3</sub>	R-134A, F-134A	2
157	Tetrafluorohydrazine	N <sub>2</sub> F <sub>4</sub>	F <sub>2</sub> NNF <sub>2</sub>	Dinitrogen Tetrafluoride	1
182	Tetrahydrofuran	C <sub>4</sub> H <sub>8</sub> O	C <sub>4</sub> H <sub>8</sub> O		2
282	Tetrakis(diethylamido)titanium	C <sub>16</sub> H <sub>40</sub> N <sub>4</sub> Ti	Ti(N(CH <sub>2</sub> ) <sub>2</sub> ) <sub>4</sub>	TDEAT	2
318	Tetrakis(dimethylamido)titanium	C <sub>8</sub> H <sub>24</sub> N <sub>4</sub> Ti	[(CH <sub>3</sub> ) <sub>2</sub> N] <sub>4</sub> Ti	TDMAT	2
359	Tetrakis(ethylmethylamido)Hafnium	C <sub>12</sub> H <sub>32</sub> HfN <sub>4</sub>	[(CH <sub>3</sub> CH <sub>2</sub> )(CH <sub>3</sub> )N] <sub>4</sub> Hf	TEMAH	13
369	Tetrakis(trifluorophosphorus)nickel	Ni(PF <sub>3</sub> ) <sub>4</sub>	Ni(PF <sub>3</sub> ) <sub>4</sub>		3
299	Tetramethoxygermanium	C <sub>4</sub> H <sub>12</sub> GeO <sub>4</sub>	(CH <sub>3</sub> O) <sub>4</sub> Ge	Ge(Ome) <sub>4</sub>	2
301	Tetramethoxysilane	C <sub>4</sub> H <sub>12</sub> O <sub>4</sub> Si	(CH <sub>3</sub> O) <sub>4</sub> Si	Silicic Acid (H <sub>4</sub> SiO <sub>4</sub> ); Tetramethyl ester; Tetramethyl silicate	2
158	Tetramethylcyclotetra-siloxane	C <sub>4</sub> H <sub>16</sub> Si <sub>4</sub> O <sub>4</sub>	(CH <sub>3</sub> ) <sub>4</sub> H <sub>4</sub> (SiO) <sub>4</sub>	TOMCATS	7
390	Tetramethylethylenediamine	C <sub>6</sub> H <sub>16</sub> N <sub>2</sub>	C <sub>6</sub> H <sub>16</sub> N <sub>2</sub>	TMEDA	
250	Tetramethylgermanium	C <sub>4</sub> H <sub>12</sub> Ge	(CH <sub>3</sub> ) <sub>4</sub> Ge		2
302	Tetramethyllead	C <sub>4</sub> H <sub>12</sub> Pb	(CH <sub>3</sub> ) <sub>4</sub> Pb	(CH <sub>3</sub> ) <sub>4</sub> Pb; Plumbane, tetramethyl	2

Code	Gas Name	Symbol	Formula	Synonym	Ref
251	Tetramethylsilane	C <sub>4</sub> H <sub>12</sub> Si	(CH <sub>3</sub> ) <sub>4</sub> Si		2
252	Tetramethyltin	C <sub>4</sub> H <sub>12</sub> Sn	(CH <sub>3</sub> ) <sub>4</sub> Sn		2
253	Tetrasilane	Si <sub>4</sub> H <sub>10</sub>	Si <sub>4</sub> H <sub>10</sub>		2
392	Tetravinylsilane	C <sub>8</sub> H <sub>12</sub> Si	C <sub>8</sub> H <sub>12</sub> Si	Tetraethenylsilane	
145	Tin Tetrachloride	SnCl <sub>4</sub>	SnCl <sub>4</sub>	Tetrachlorostannane	2
114	Titanium Tetrachloride	TiCl <sub>4</sub>	TiCl <sub>4</sub>		2
254	Titanium Tetraiodide	TiI <sub>4</sub>	TiI <sub>4</sub>		2
194	Titanium Tetraisopropoxide	C <sub>12</sub> H <sub>28</sub> O <sub>4</sub> Ti	Ti(OC <sub>3</sub> H <sub>7</sub> ) <sub>4</sub>		1
181	Toluene	C <sub>7</sub> H <sub>8</sub>	C <sub>6</sub> H <sub>5</sub> CH <sub>3</sub>	Methylbenzene	2
393	trans-1,3,3,3-tetrafluoropropene	C <sub>3</sub> H <sub>2</sub> F <sub>4</sub>	C <sub>3</sub> H <sub>2</sub> F <sub>4</sub>	(1E)-1,3,3,3-tetrafluoro-1-propene	
98	Transbutene	C <sub>4</sub> H <sub>8</sub>	CH <sub>3</sub> CH=CHCH <sub>3</sub>		2
320	Triallylamine	C <sub>9</sub> H <sub>15</sub> N	(CH <sub>2</sub> =CHCH <sub>2</sub> ) <sub>3</sub> N	Tri-2-propenylamine	2
83	Tribromomethane	CHBr <sub>3</sub>	CHBr <sub>3</sub>	Bromoform	2
255	Tribromostibine	SbBr <sub>3</sub>	SbBr <sub>3</sub>		2
146	Tributylaluminum	C <sub>12</sub> H <sub>27</sub> Al	(CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> ) <sub>3</sub> Al	TBAI	3
112	Trichloroethane	C <sub>2</sub> H <sub>3</sub> Cl <sub>3</sub>	CH <sub>3</sub> CCl <sub>3</sub>	TCA, Methylchloroform	2
91	Trichlorofluoromethane	CCl <sub>3</sub> F	CCl <sub>3</sub> F	F-11, R-11	1
147	Trichlorosilane	SiHCl <sub>3</sub>	SiHCl <sub>3</sub>		5
256	Trichlorostibine	SbCl <sub>3</sub>	SbCl <sub>3</sub>		2
126	Trichlorotrifluoroethane	C <sub>2</sub> Cl <sub>3</sub> F <sub>3</sub>	CF <sub>2</sub> ClCCl <sub>2</sub> F	F-113, R-113	1
307	Triethoxyarsine	C <sub>6</sub> H <sub>15</sub> AsO <sub>3</sub>	(C <sub>2</sub> H <sub>5</sub> O) <sub>3</sub> As	Triethyl ester arsenous acid; Triethyl arsenite	2
308	Triethoxyborane	C <sub>6</sub> H <sub>15</sub> BO <sub>3</sub>	(C <sub>2</sub> H <sub>5</sub> O) <sub>3</sub> B	Boron triethoxide; triethyl borate	2
311	Triethoxyphosphine	C <sub>6</sub> H <sub>15</sub> O <sub>3</sub> P	(C <sub>2</sub> H <sub>5</sub> O) <sub>3</sub> P	Triethyl phosphite; UN 2323; Phosphorous acid, triethyl ester	2
312	Triethoxysilane	C <sub>6</sub> H <sub>16</sub> O <sub>3</sub> Si	(C <sub>2</sub> H <sub>5</sub> O) <sub>3</sub> SiH		2
306	Triethyarsine	C <sub>6</sub> H <sub>15</sub> As	(C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> As	Triethylarsenic	2
274	Triethyl Arsenate	C <sub>6</sub> H <sub>15</sub> O <sub>4</sub> As	(C <sub>2</sub> H <sub>5</sub> O) <sub>3</sub> AsO	TEAsat	1
163	Triethyl Borate	C <sub>6</sub> H <sub>15</sub> O <sub>3</sub> B	B(OC <sub>2</sub> H <sub>5</sub> ) <sub>3</sub>	TEB, Triethoxyborane	2
257	Triethylaluminum	C <sub>6</sub> H <sub>15</sub> Al	(C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> Al		2
310	Triethylamine	C <sub>6</sub> H <sub>15</sub> N	(C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> N	UN 1296	2
258	Triethylantimony	C <sub>6</sub> H <sub>15</sub> Sb	(C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> Sb		2
148	Triethylgallium	C <sub>6</sub> H <sub>15</sub> Ga	(C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> Ga	TEGa	4
309	Triethylindium	C <sub>6</sub> H <sub>15</sub> In	(C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> In	Indium, triethyl	2
313	Triethylsilane	C <sub>6</sub> H <sub>16</sub> Si	(C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> SiH	(C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> SiH, TES	2
259	Trifluoroacetic Acid	CF <sub>3</sub> CO <sub>2</sub> H	CF <sub>3</sub> CO <sub>2</sub> H		2
260	Trifluoroacetonitrile	C <sub>2</sub> F <sub>3</sub> N	F <sub>3</sub> CCN		2
360	Trifluoroiodomethane	CF <sub>3</sub> I	CF <sub>3</sub> I		13
321	Trifluoromethylhypofluorite	CF <sub>4</sub> O	CF <sub>3</sub> OF	CF <sub>3</sub> OF; Hypofluorous acid; trifluoromethyl ester	2
290	Trifluoropropane	C <sub>3</sub> H <sub>5</sub> F <sub>3</sub>	C <sub>3</sub> H <sub>5</sub> F <sub>3</sub>	1,1,1-Trifluoropropane; CH <sub>3</sub> CH <sub>2</sub> CF <sub>3</sub>	2
382	Trifluoropropene	C <sub>3</sub> H <sub>3</sub> F <sub>3</sub>	C(CH <sub>3</sub> )F=CF <sub>2</sub>		15

<i>Code</i>	<i>Gas Name</i>	<i>Symbol</i>	<i>Formula</i>	<i>Synonym</i>	<i>Ref</i>
261	Trifluorosilane	SiHF <sub>3</sub>	SiHF <sub>3</sub>		2
262	Triisobutylaluminum	C <sub>12</sub> H <sub>27</sub> Al	(C <sub>4</sub> H <sub>9</sub> ) <sub>3</sub> Al		2
131	Trimethoxyborine	C <sub>3</sub> H <sub>9</sub> BO <sub>3</sub>	B(OCH <sub>3</sub> ) <sub>3</sub>	TMB, Trimethyl borate	2
287	Trimethoxysilane	C <sub>3</sub> H <sub>10</sub> O <sub>3</sub> Si	C <sub>3</sub> H <sub>10</sub> O <sub>3</sub> Si		2
294	Trimethyl Ester Phosphoric Acid	C <sub>3</sub> H <sub>9</sub> O <sub>4</sub> P	C <sub>3</sub> H <sub>9</sub> O <sub>4</sub> P	Trimethyl phosphate; Trimethoxyphosphine oxide	2
133	Trimethyl Phosphite	C <sub>3</sub> H <sub>9</sub> PO <sub>3</sub>	(CH <sub>3</sub> O) <sub>3</sub> P	TMPI, Trimethoxyphosphine	2
149	Trimethylaluminum	C <sub>3</sub> H <sub>9</sub> Al	Al(CH <sub>3</sub> ) <sub>3</sub>	TMA, TMAI	4
109	Trimethylamine	C <sub>3</sub> H <sub>9</sub> N	(CH <sub>3</sub> ) <sub>3</sub> N		1
165	Trimethylaminealane	C <sub>3</sub> H <sub>12</sub> AlN	(CH <sub>3</sub> ) <sub>3</sub> NalH <sub>3</sub>	TMAA	12
150	Trimethylantimony	C <sub>3</sub> H <sub>9</sub> Sb	(CH <sub>3</sub> ) <sub>3</sub> Sb	Trimethylstibene	2
151	Trimethylarsenic	C <sub>3</sub> H <sub>9</sub> As	(CH <sub>3</sub> ) <sub>3</sub> As	Trimethylarsine, TMA <sub>s</sub>	2
277	Trimethylborane	C <sub>3</sub> H <sub>9</sub> B	(CH <sub>3</sub> ) <sub>3</sub> B		2
152	Trimethylgallium	C <sub>3</sub> H <sub>9</sub> Ga	Ga(CH <sub>3</sub> ) <sub>3</sub>	TMGa	4
153	Trimethylindium	C <sub>3</sub> H <sub>9</sub> In	(CH <sub>3</sub> ) <sub>3</sub> In	TMIn	3
314	Trimethylisoxazole	C <sub>6</sub> H <sub>9</sub> NO	CH <sub>3</sub> CH=CHCH=CHCONH <sub>2</sub>	3,4,5-Trimethylisoxazole, Sorbamide	3
132	Trimethylphosphorous	C <sub>3</sub> H <sub>9</sub> P	(CH <sub>3</sub> ) <sub>3</sub> P	Trimethylphosphine, TMP	2
190	Trimethylsilane	C <sub>3</sub> H <sub>10</sub> Si	(CH <sub>3</sub> ) <sub>3</sub> SiH		2
303	Trimethylvinylsilane	C <sub>5</sub> H <sub>12</sub> Si	(CH <sub>3</sub> ) <sub>3</sub> SiCH=CH <sub>2</sub>	Vinyltrimethylsilane; CH <sub>2</sub> =CHSi(CH <sub>3</sub> ) <sub>3</sub>	2
391	Tris(dimethylamino)silane	C <sub>6</sub> H <sub>19</sub> N <sub>3</sub> Si	C <sub>6</sub> H <sub>19</sub> N <sub>3</sub> Si	3-DMAS, tris(dimethylamido)silane, tris(dimethylamido)silylhydride	
328	Trisilane	Si <sub>3</sub> H <sub>8</sub>	Si <sub>3</sub> H <sub>8</sub>	Silicopropane; Trisilicane; H <sub>8</sub> Si <sub>3</sub>	2
368	Trisilylamine	H <sub>9</sub> Nsi <sub>3</sub>	N(SiH <sub>3</sub> ) <sub>3</sub>		3
159	Tritium	T <sub>2</sub>	H <sub>3</sub> <sup>2</sup>	T <sub>2</sub>	2
273	Tungsten Hexacarbonyl	C <sub>6</sub> O <sub>6</sub> W	W(CO) <sub>6</sub>		1
121	Tungsten Hexafluoride	WF <sub>6</sub>	WF <sub>6</sub>		2
123	Uranium Hexafluoride	UF <sub>6</sub>	UF <sub>6</sub>		2
56	Vinyl Bromide	C <sub>2</sub> H <sub>3</sub> Br	CH <sub>2</sub> =CHBr		1
55	Vinyl Chloride	C <sub>2</sub> H <sub>3</sub> Cl	CH <sub>2</sub> =CHCl	Chloroethylene	1
51	Vinyl Fluoride	C <sub>2</sub> H <sub>3</sub> F	H <sub>2</sub> C=CHF		1
20	Water Vapor	H <sub>2</sub> O	H <sub>2</sub> O		2
6	Xenon	Xe	Xe		1
324	Xenon Difluoride	XeF <sub>2</sub>	XeF <sub>2</sub>	F <sub>2</sub> Xe; Xenon fluoride	2
263	Xylene m-	C <sub>8</sub> H <sub>10</sub>	1,3-(CH <sub>3</sub> ) <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	1,3 Dimethyl Benzene	3
264	Xylene p-	C <sub>8</sub> H <sub>10</sub>	1,4-(CH <sub>3</sub> ) <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	1,4 Dimethyl Benzene	3
330	Zinc	Zn	Zn	UN 1383	2

## 8 Gas Table Sorted by Symbol

**Table 3 Gases Sorted by Symbol**

<i>Code</i>	<i>Gas Name</i>	<i>Symbol</i>	<i>Formula</i>	<i>Synonym</i>	<i>Ref</i>
175	Intentionally Left Blank				
353	Intentionally Left Blank				
355	Intentionally Left Blank				
356	Intentionally Left Blank				
90	Intentionally Left Blank				
92	Intentionally Left Blank				
8	Air	Air			1
352	Aluminum Trichloride	AlCl <sub>3</sub>	AlCl <sub>3</sub>	Trichloroalumane	13
226	Aluminum Trifluoride	AlF <sub>3</sub>	AlF <sub>3</sub>		2
4	Argon	Ar	Ar		1
242	Arsenic Tribromide	AsBr <sub>3</sub>	AsBr <sub>3</sub>		2
216	Arsenic Trichloride	AsCl <sub>3</sub>	AsCl <sub>3</sub>		2
195	Arsenic Trifluoride	AsF <sub>3</sub>	AsF <sub>3</sub>		2
96	Arsenic Pentafluoride	AsF <sub>5</sub>	AsF <sub>5</sub>		2
35	Arsine	AsH <sub>3</sub>	AsH <sub>3</sub>		1
196	Arsenic Triiodine	AsI <sub>3</sub>	AsI <sub>3</sub>		2
248	Tetrachlorodiborane	B <sub>2</sub> Cl <sub>4</sub>	B <sub>2</sub> Cl <sub>4</sub>		2
249	Tetrafluorodiborane	B <sub>2</sub> F <sub>4</sub>	B <sub>2</sub> F <sub>4</sub>		2
58	Diborane	B <sub>2</sub> H <sub>6</sub>	B <sub>2</sub> H <sub>6</sub>		1
198	Borazine	B <sub>3</sub> N <sub>3</sub> H <sub>6</sub>	H <sub>3</sub> B <sub>3</sub> N <sub>3</sub> H <sub>3</sub>		11
239	Pentaborane(11)	B <sub>5</sub> H <sub>11</sub>	B <sub>5</sub> H <sub>11</sub>		2
142	Pentaborane	B <sub>5</sub> H <sub>9</sub>	B <sub>5</sub> H <sub>9</sub>		2
79	Boron Tribromide	BBr <sub>3</sub>	BBr <sub>3</sub>		1
70	Boron Trichloride	BCl <sub>3</sub>	BCl <sub>3</sub>		1
48	Boron Trifluoride	BF <sub>3</sub>	BF <sub>3</sub>		1
21	Bromine	Br <sub>2</sub>	Br <sub>2</sub>		2
278	Silicon Tetrabromide	Br <sub>4</sub> Si	Br <sub>4</sub> Si	SiBr <sub>4</sub> ; Tetrabromosilane; Silicon (IV) bromide	2
76	Bromine Trifluoride	BrF <sub>3</sub>	BrF <sub>3</sub>		1
116	Bromine Pentafluoride	BrF <sub>5</sub>	BrF <sub>5</sub>		1
393	trans-1,3,3,3-tetrafluoropropene	C <sub>3</sub> H <sub>2</sub> F <sub>4</sub>	C <sub>3</sub> H <sub>2</sub> F <sub>4</sub>	(1E)-1,3,3,3-tetrafluoro-1-propene	
397	Pyrrrole	C <sub>4</sub> H <sub>5</sub> N	C <sub>4</sub> H <sub>5</sub> N		
394	Cyclohexane	C <sub>6</sub> H <sub>12</sub>	C <sub>6</sub> H <sub>12</sub>		
391	Tris(dimethylamino)silane	C <sub>6</sub> H <sub>19</sub> N <sub>3</sub> Si	C <sub>6</sub> H <sub>19</sub> N <sub>3</sub> Si	3-DMAS, tris(dimethylamido)silane, tris(dimethylamido)silyl hydride	
361	Methyl-(methylethyl)-cyclohexadiene	C <sub>10</sub> H <sub>16</sub>		ATRP, Alpha-Terpinene	
279	Tantalum (V) Ethoxide	C <sub>10</sub> H <sub>25</sub> O <sub>5</sub> Ta	Ta(OC <sub>2</sub> H <sub>5</sub> ) <sub>5</sub>	Ta(OEt) <sub>5</sub>	2



<i>Code</i>	<i>Gas Name</i>	<i>Symbol</i>	<i>Formula</i>	<i>Synonym</i>	<i>Ref</i>
146	Tributylaluminum	C12H27Al	$(\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2)_3\text{Al}$	TBAI	3
262	Triisobutylaluminum	C12H27Al	$(\text{C}_4\text{H}_9)_3\text{Al}$		2
194	Titanium Tetraisopropoxide	C12H28OTi	$\text{Ti}(\text{OC}_3\text{H}_7)_4$		1
359	Tetrakis(ethylmethylamido) Hafnium	C12H32HfN4	$[(\text{CH}_3\text{CH}_2)(\text{CH}_3\text{N})]_4\text{Hf}$	TEMAH	13
280	Diphenylmethylenediamine	C13H14N2	$\text{C}_{13}\text{H}_{14}\text{N}_2$		2
281	Diphenylmethan-4,4'-diisocyanat	C15H10N2O	$\text{C}_{15}\text{H}_{10}\text{N}_2\text{O}$	UN 2489; Benzene, 1,1'-methylenebis(isocyanato phenyl)	2
282	Tetrakis(diethylamido)titanium	C16H40N4Ti	$\text{Ti}(\text{N}(\text{CH}_3)_2)_4$	TDEAT	2
130	Dibromotetrafluoroethane	C2Br2F4	$\text{BrF}_2\text{CCF}_2\text{Br}$	F-114B2, R-114B2	1
105	Bromotrifluoroethylene	C2BrF3	$\text{CF}_2\text{CFBr}$		1
125	Dichlorotetrafluoroethane	C2Cl2F4	$\text{F}_3\text{CCl}_2\text{F}$	F-114, R-114	1
126	Trichlorotrifluoroethane	C2Cl3F3	$\text{CF}_2\text{ClCCl}_2\text{F}$	F-113, R-113	1
168	Tetrachloroethylene	C2Cl4	$\text{Cl}_2\text{C}=\text{CCl}_2$	Perchloroethylene or Ethylene, Perchloro	2
206	Chlorotrifluoroethylene	C2ClF3	$\text{FCCl}=\text{CF}_2$	R-1113, FREON-1113	2
119	Chloropentafluoroethane	C2ClF5	$\text{ClCF}_2\text{CF}_3$	F-115, R-115	1
260	Trifluoroacetonitrile	C2F3N	$\text{F}_3\text{CCN}$		2
94	Tetrafluoroethylene	C2F4	$\text{F}_2\text{C}=\text{CF}_2$		1
118	Hexafluoroethane	C2F6	$\text{F}_3\text{CCF}_3$	F-116, Perfluoroethane	1
42	Acetylene	C2H2	$\text{HC}\equiv\text{CH}$	Ethyne	1
210	Dichloroethylene	C2H2Cl2	$\text{CH}_2=\text{CCl}_2$	Vinylidene Chloride	2
211	Dichloroethylene -cis	C2H2Cl2	$\text{CHCl}=\text{CHCl}$		2
191	Dichloroethylene -trans	C2H2Cl2	$\text{CHCl}=\text{CHCl}$		2
64	Difluoroethylene	C2H2F2	$\text{CH}_2=\text{CF}_2$	G-1132A, Vinylidene fluoride	1
156	Tetrafluoroethane	C2H2F4	$\text{CH}_2\text{FCF}_3$	R-134A, F-134A	2
56	Vinyl Bromide	C2H3Br	$\text{CH}_2=\text{CHBr}$		1
55	Vinyl Chloride	C2H3Cl	$\text{CH}_2=\text{CHCl}$	Chloroethylene	1
112	Trichloroethane	C2H3Cl3	$\text{CH}_3\text{CCl}_3$	TCA, Methylchloroform	2
203	Chlorodifluoroethane	C2H3ClF2	$\text{CH}_3-\text{CF}_2\text{Cl}$	R-142b	4
103	Difluorochloroethane	C2H3ClF2	$\text{CF}_2\text{ClCH}_3$	F-142B, R-142B	1
51	Vinyl Fluoride	C2H3F	$\text{H}_2\text{C}=\text{CHF}$		1
348	Ethane, 1,1,1-Trifluoro	C2H3F3	$\text{C}_2\text{H}_3\text{F}_3$	HFC-143a	3
173	Acetonitrile	C2H3N	$\text{CH}_3\text{CN}$		2
38	Ethylene	C2H4	$\text{CH}_2=\text{CH}_2$	Ethene	1
222	Ethylene Dichloride	C2H4Cl2	$\text{ClCH}_2\text{CH}_2\text{Cl}$	1,2 Dichloroethane	2
82	Difluoroethane	C2H4F2	$\text{CH}_3\text{CHF}_2$	Ethylidene Fluoride, R-152A	1
45	Ethylene Oxide	C2H4O	$\text{C}_2\text{H}_4\text{O}$	Oxirane, 1,2-epoxyethane	1
283	Acetic Acid	C2H4O2	$\text{CH}_3\text{COOH}$	Ethanoic acid; UN 2789	2
75	Ethyl Chloride	C2H5Cl	$\text{C}_2\text{H}_5\text{Cl}$	Chloroethane or Ethane, Chloro or Ethyl Chloride	1

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221	Ethyl Fluoride	C2H5F	CH <sub>3</sub> CH <sub>2</sub> F	Fluoroethane, R-161, FREON-161	2
54	Ethane	C2H6	CH <sub>3</sub> CH <sub>3</sub>		1
218	Dimethylcadmium	C2H6Cd	(CH <sub>3</sub> ) <sub>2</sub> Cd		2
73	Dimethyl Ether	C2H6O	CH <sub>3</sub> OCH <sub>3</sub>	Methyl ether	1
136	Ethanol	C2H6O	CH <sub>3</sub> CH <sub>2</sub> OH		2
169	Ethylene glycol	C2H6O2	HOCH <sub>2</sub> CH <sub>2</sub> OH	Ehtanediol, Glycol	2
284	Dimethyl Selenide	C2H6Se	C <sub>2</sub> H <sub>6</sub> Se	(CH <sub>3</sub> ) <sub>2</sub> Se; Selenium dimethyl; Dimethylselenium	2
212	Dichlorodimethylsilane	C2H6SiCl2	(CH <sub>3</sub> ) <sub>2</sub> SiCl <sub>2</sub>		2
220	Dimethyltellurium	C2H6Te	(CH <sub>3</sub> ) <sub>2</sub> Te		2
135	Dimethylzinc	C2H6Zn	(CH <sub>3</sub> ) <sub>2</sub> Zn		3
164	Dimethylaluminum Hydride	C2H7Al	(CH <sub>3</sub> ) <sub>2</sub> AlH	DMAH	14
85	Dimethylamine	C2H7N	(CH <sub>3</sub> ) <sub>2</sub> NH		1
233	Monoethylamine	C2H7N	C <sub>2</sub> H <sub>5</sub> NH <sub>2</sub>		2
285	Ethoxysilane	C2H8OSi	C <sub>2</sub> H <sub>8</sub> OSi		2
219	Dimethylsilane	C2H8Si	(CH <sub>3</sub> ) <sub>2</sub> SiH <sub>2</sub>		2
137	Halothane	C2HBrClF3	BrClHCCF <sub>3</sub>		6
186	2,2 Dichloro 1,1,1 Trifluoroethane	C2HCl2F3	CHCl <sub>2</sub> -CF <sub>3</sub>	Freon 123, Suva 123	2
204	Chlorodifluoroethylene	C2HClF2	CF <sub>2</sub> =CHCl	R-1122, FREON-1122	4
223	Fluoroacetylene	C2HF	FC≡CH		2
155	Pentafluoroethane	C2HF5	CF <sub>3</sub> CHF <sub>2</sub>	F-125, R-125	9
59	Cyanogen	C2N2	NCCN	Oxalodinitrile	1
138	Hexafluoropropylene	C3F6	CF <sub>3</sub> CF=CF <sub>2</sub>	Perfluoropropylene or Propylene, Perfluoro	1
225	Hexafluoroacetone	C3F6O	(CF <sub>3</sub> ) <sub>2</sub> CO		2
286	Hexafluoropropylene Oxide	C3F6O	C <sub>3</sub> F <sub>6</sub> O	Hexafluoroepoxypropane	2
366	Perfluoropropyl Iodide	C3F7I	C <sub>3</sub> F <sub>7</sub> I		2
128	Perfluoropropane	C3F8	CF <sub>2</sub> (CF <sub>3</sub> ) <sub>2</sub>		1
287	Trimethoxysilane	C3H10O3Si	C <sub>3</sub> H <sub>10</sub> O <sub>3</sub> Si		2
190	Trimethylsilane	C3H10Si	(CH <sub>3</sub> ) <sub>3</sub> SiH		2
165	Trimethylaminealane	C3H12AlN	(CH <sub>3</sub> ) <sub>3</sub> NAIH <sub>3</sub>	TMAA	12
267	Hexafluoropropane	C3H2F6	CH <sub>2</sub> FCF <sub>2</sub> CF <sub>3</sub>	1,1,1,2,2,3- Hexafluoropropane	2
288	Pentafluoropropanol	C3H3F5O	C <sub>2</sub> F <sub>5</sub> CH <sub>2</sub> OH	Perfluorodihydropropanol, 1,1,1,2,2- Pentafluoropropane	2
276	Acrylonitrile	C3H3N	CH <sub>2</sub> =CHCN	Acrylon; Propenenitrile	3
66	Allene	C3H4	CH <sub>2</sub> =C=CH <sub>2</sub>	Propadiene	1
68	Methyl Acetylene	C3H4	CH <sub>3</sub> C≡CH	Propyne	1
289	Acrylic Acid	C3H4O2	C <sub>3</sub> H <sub>4</sub> O <sub>2</sub>	2-Propenoic acid; CH <sub>2</sub> =CHCOOH	2
290	Trifluoropropane	C3H5F3	C <sub>3</sub> H <sub>5</sub> F <sub>3</sub>	1,1,1-Trifluoropropane; CH <sub>3</sub> CH <sub>2</sub> CF <sub>3</sub>	2

<i>Code</i>	<i>Gas Name</i>	<i>Symbol</i>	<i>Formula</i>	<i>Synonym</i>	<i>Ref</i>
61	Cyclopropane	C3H6	C <sub>3</sub> H <sub>6</sub>		1
69	Propylene	C3H6	CH <sub>3</sub> CH=CH <sub>2</sub>	Propene	1
184	Acetone	C3H6O	CH <sub>3</sub> COCH <sub>3</sub>		2
81	Methyl Vinyl Ether	C3H6O	H <sub>3</sub> C-O-CH=CH <sub>2</sub>		1
331	Acetaldehyde Methoxy	C3H6O2	CH <sub>3</sub> OCH <sub>2</sub> CHO		3
332	Acetone,hydroxy	C3H6O2	CH <sub>3</sub> COCH <sub>2</sub> OH	Acetol	3
291	Ethyl Formate	C3H6O2	HCO <sub>2</sub> C <sub>2</sub> H <sub>5</sub>	Ethyl ester formic acid; HC00C2H5	3
335	Glycidol	C3H6O2	CH <sub>2</sub> CHCH <sub>2</sub> OH	1-Propanol, 2,3 epoxy	3
333	Glycol Methylene Ether	C3H6O2	CH <sub>2</sub> -O-CH <sub>2</sub> -CH <sub>2</sub> -O	1,3-Dioxolane, Formal glycol	3
292	Methyl Acetate	C3H6O2	CH <sub>3</sub> CO <sub>2</sub> CH <sub>3</sub>	Methyl ester acetic acid; UN 1231	3
334	Propanoic Acid	C3H6O2	CH <sub>3</sub> CH <sub>2</sub> CO <sub>2</sub> H	Propionic acid	3
293	Propenamine	C3H7N	C <sub>3</sub> H <sub>7</sub> N	Allylamine; Monoallylamine; UN 2334	2
89	Propane	C3H8	CH <sub>3</sub> CH <sub>2</sub> CH <sub>3</sub>		1
187	Isopropyl Alcohol	C3H8O	(CH <sub>3</sub> ) <sub>2</sub> CHOH	2-Propanol	2
149	Trimethylaluminum	C3H9Al	Al(CH <sub>3</sub> ) <sub>3</sub>	TMA, TMAI	4
151	Trimethylarsenic	C3H9As	(CH <sub>3</sub> ) <sub>3</sub> As	Trimethylarsine, TMAs	2
277	Trimethylborane	C3H9B	(CH <sub>3</sub> ) <sub>3</sub> B		2
131	Trimethoxyborine	C3H9BO3	B(OCH <sub>3</sub> ) <sub>3</sub>	TMB, Trimethyl borate	2
152	Trimethylgallium	C3H9Ga	Ga(CH <sub>3</sub> ) <sub>3</sub>	TMGa	4
153	Trimethylindium	C3H9In	(CH <sub>3</sub> ) <sub>3</sub> In	TMIIn	3
109	Trimethylamine	C3H9N	(CH <sub>3</sub> ) <sub>3</sub> N		1
294	Trimethyl Ester Phosphoric Acid	C3H9O4P	C <sub>3</sub> H <sub>9</sub> O <sub>4</sub> P	Trimethyl phosphate; Trimethoxyphosphine oxide	2
132	Trimethylphosphorous	C3H9P	(CH <sub>3</sub> ) <sub>3</sub> P	Trimethylphosphine, TMP	2
133	Trimethyl Phosphite	C3H9PO3	(CH <sub>3</sub> O) <sub>3</sub> P	TMPI, Trimethoxyphosphine	2
150	Trimethylantimony	C3H9Sb	(CH <sub>3</sub> ) <sub>3</sub> Sb	Trimethylstibene	2
295	Heptafluoropropane	C3HF7	C <sub>3</sub> HF <sub>7</sub>	1,1,1,2,3,3,3- Heptafluoropropane, Freon 227	2
241	Perfluorobutane	C4F10	C <sub>4</sub> F <sub>10</sub>		3
297	Hexafluoro Butadiene-1,3	C4F6	CF <sub>2</sub> =CF-CF=CF <sub>2</sub>	Perfluorobutadiene-1,3	3
270	Hexafluoro-2-Butyne	C4F6	CF <sub>3</sub> C≡CCF <sub>3</sub>	Bis(trifluoromethyl) acetylene; Perfluoro-2- butyne	3
296	Hexafluorocyclobutene	C4F6	C <sub>4</sub> F <sub>6</sub>	Perfluorocyclobutene; 1,2,3,3,4,4- Hexafluorocyclobutene	3
236	Octafluorobutene	C4F8	C <sub>4</sub> F <sub>8</sub>	Octafluorobut-2-ene	3
129	Octafluorocyclobutane	C4F8	(CF <sub>2</sub> ) <sub>4</sub>	Perfluorocyclobutane or Cyclobutane, Perfluoro	1

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351	Perfluoro (Oxacyclopentane)	C4F8O	C <sub>4</sub> F <sub>8</sub> O		3
387	2-Fluorobutane	C <sub>4</sub> H <sub>9</sub> F	C <sub>4</sub> H <sub>9</sub> F		15
117	Butane	C <sub>4</sub> H <sub>10</sub>	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>2</sub> CH <sub>3</sub>		1
111	Isobutane	C <sub>4</sub> H <sub>10</sub>	(CH <sub>3</sub> ) <sub>2</sub> CHCH <sub>3</sub>	2-Methylpropane or Propane, 2-Methyl	1
271	Butanol-1	C <sub>4</sub> H <sub>10</sub> O	CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> OH	1-butanol	3
336	Butanol-2	C <sub>4</sub> H <sub>10</sub> O	CH <sub>3</sub> CH <sub>2</sub> CH(OH)CH <sub>3</sub>		3
338	Diethyl ether	C <sub>4</sub> H <sub>10</sub> O	C <sub>2</sub> H <sub>5</sub> OC <sub>2</sub> H <sub>5</sub>		3
341	Isobutyl Alcohol	C <sub>4</sub> H <sub>10</sub> O	(CH <sub>3</sub> ) <sub>2</sub> CHCH <sub>2</sub> OH		3
340	Methyl Isopropyl Ether	C <sub>4</sub> H <sub>10</sub> O	(CH <sub>3</sub> ) <sub>2</sub> CHOCH <sub>3</sub>		3
339	Methyl Propyl Ether	C <sub>4</sub> H <sub>10</sub> O	CH <sub>3</sub> OC <sub>3</sub> H <sub>7</sub>		3
337	Tertiary Butyl Alcohol	C <sub>4</sub> H <sub>10</sub> O	(CH <sub>3</sub> ) <sub>3</sub> COH	TBA, t-Butanol, t-Butyl alcohol	3
298	Diethyl Sulfide	C <sub>4</sub> H <sub>10</sub> S	C <sub>4</sub> H <sub>10</sub> S	UN 2375; Ethyl sulfide	2
214	Diethylzinc	C <sub>4</sub> H <sub>10</sub> Zn	Zn(C <sub>2</sub> H <sub>5</sub> ) <sub>2</sub>		2
161	Tertiarybutylarsine	C <sub>4</sub> H <sub>11</sub> As	C(CH <sub>3</sub> ) <sub>3</sub> AsH <sub>2</sub>	TBA	8
213	Diethylamine	C <sub>4</sub> H <sub>11</sub> N	(C <sub>2</sub> H <sub>5</sub> ) <sub>2</sub> NH		2
162	Tertiarybutylphosphine	C <sub>4</sub> H <sub>11</sub> P	C(CH <sub>3</sub> ) <sub>3</sub> PH <sub>2</sub>	TBP	8
250	Tetramethylgermanium	C <sub>4</sub> H <sub>12</sub> Ge	(CH <sub>3</sub> ) <sub>4</sub> Ge		2
299	Tetramethoxygermanium	C <sub>4</sub> H <sub>12</sub> GeO <sub>4</sub>	(CH <sub>3</sub> O) <sub>4</sub> Ge	Ge(OMe) <sub>4</sub>	2
300	Dimethoxydimethylsilane	C <sub>4</sub> H <sub>12</sub> O <sub>2</sub> Si	(CH <sub>3</sub> O) <sub>2</sub> Si(CH <sub>3</sub> ) <sub>2</sub>	KBM 22	2
301	Tetramethoxysilane	C <sub>4</sub> H <sub>12</sub> O <sub>4</sub> Si	(CH <sub>3</sub> O) <sub>4</sub> Si	Silicic Acid (H <sub>4</sub> SiO <sub>4</sub> ); Tetramethyl ester; Tetramethyl silicate	2
302	Tetramethyllead	C <sub>4</sub> H <sub>12</sub> Pb	(CH <sub>3</sub> ) <sub>4</sub> Pb	(CH <sub>3</sub> ) <sub>4</sub> Pb; Plumbane, tetramethyl	2
154	Diethylsilane	C <sub>4</sub> H <sub>12</sub> Si	(C <sub>2</sub> H <sub>5</sub> ) <sub>2</sub> SiH <sub>2</sub>		2
251	Tetramethylsilane	C <sub>4</sub> H <sub>12</sub> Si	(CH <sub>3</sub> ) <sub>4</sub> Si		2
252	Tetramethyltin	C <sub>4</sub> H <sub>12</sub> Sn	(CH <sub>3</sub> ) <sub>4</sub> Sn		2
166	Dimethylethylaminealane	C <sub>4</sub> H <sub>14</sub> NAl	(CH <sub>3</sub> ) <sub>2</sub> C <sub>2</sub> H <sub>5</sub> NAlH <sub>3</sub>	DMEAA	15
158	Tetramethylcyclotetra-siloxane	C <sub>4</sub> H <sub>16</sub> Si <sub>4</sub> O <sub>4</sub>	(CH <sub>3</sub> ) <sub>4</sub> H <sub>4</sub> (SiO) <sub>4</sub>	TOMCATS	7
100	Butadiene	C <sub>4</sub> H <sub>6</sub>	CH <sub>2</sub> =CH-CH=CH <sub>2</sub>	1,3-butadiene	1
93	Ethyl Acetylene	C <sub>4</sub> H <sub>6</sub>	CH <sub>3</sub> CH <sub>2</sub> C≡CH		1
104	Butene	C <sub>4</sub> H <sub>8</sub>	CH <sub>3</sub> CH <sub>2</sub> CH=CH <sub>2</sub>	1-Butene	1
107	Cisbutene	C <sub>4</sub> H <sub>8</sub>	CH <sub>3</sub> CH=CHCH <sub>3</sub>	Cis-2-Butene	2
207	Cyclobutane	C <sub>4</sub> H <sub>8</sub>	C <sub>4</sub> H <sub>8</sub>	Tetramethylene	2
106	Isobutene	C <sub>4</sub> H <sub>8</sub>	(CH <sub>3</sub> ) <sub>2</sub> C=CH <sub>2</sub>	Isobutylene, Methylpropene	2
98	Transbutene	C <sub>4</sub> H <sub>8</sub>	CH <sub>3</sub> CH=CHCH <sub>3</sub>		2
182	Tetrahydrofuran	C <sub>4</sub> H <sub>8</sub> O	C <sub>4</sub> H <sub>8</sub> O		2
140	Nickel Carbonyl	C <sub>4</sub> O <sub>4</sub> Ni	Ni(CO) <sub>4</sub>		1
266	Octafluorocyclopentene	C <sub>5</sub> F <sub>8</sub>	CF <sub>2</sub> =C(CF <sub>3</sub> )-CF=CF <sub>2</sub>		3
354	2,2,3-trifluoro-3-(1,1,2,3,3-pentafluoroprop-2-enyl)oxirane	C <sub>5</sub> F <sub>8</sub> O	C <sub>5</sub> F <sub>8</sub> O	Epoxyperfluorocyclopentene	13
120	Methylbutene	C <sub>5</sub> H <sub>10</sub>	CH <sub>3</sub> CH <sub>2</sub> CCH <sub>3</sub> =CH <sub>2</sub>	2-Methyl-1-Butene	1

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122	Dimethylpropane	C5H12	(CH <sub>3</sub> ) <sub>4</sub> C	Neopentane	2
231	Isopentane	C5H12	CH <sub>3</sub> CH <sub>2</sub> CH(CH <sub>3</sub> ) <sub>2</sub>	2-Methylbutane	2
240	Pentane	C5H12	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>3</sub> CH <sub>3</sub>		2
303	Trimethylvinylsilane	C5H12Si	(CH <sub>3</sub> ) <sub>3</sub> SiCH=CH <sub>2</sub>	Vinyltrimethylsilane; CH <sub>2</sub> =CHSi(CH <sub>3</sub> ) <sub>3</sub>	2
362	MethylDiethoxySilane	C5H14O2Si	CH <sub>3</sub> SiH(OC <sub>2</sub> H <sub>5</sub> ) <sub>2</sub>	mDEOE, DEMS	
272	Hexafluoroacetylacetone	C5H2F6O2	C <sub>5</sub> H <sub>2</sub> F <sub>6</sub> O <sub>2</sub>		1
304	Pyridine	C5H5N	C <sub>5</sub> H <sub>5</sub> N	Azabenzene; Azine	2
305	Methyl methacrylate polymer	C5H8O2	CH <sub>2</sub> =C(CH <sub>3</sub> )COOCH <sub>3</sub>	Poly(methyl methacrylate); 2-Methyl-1-2-propenoic acid	2
230	Iron Carbonyl	C5O5Fe	Fe(CO) <sub>5</sub>		2
192	Hexafluorobenzene	C6F6	C <sub>6</sub> F <sub>6</sub>		2
178	4-Methyl, 1-Pentene	C6H12	(CH <sub>3</sub> ) <sub>2</sub> CHCH <sub>2</sub> CH=CH <sub>2</sub>		2
127	Hexane	C6H14	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>4</sub> CH <sub>3</sub>		2
170	Hexanediol-1,6	C6H14O2	HO(CH <sub>2</sub> ) <sub>6</sub> OH	Hexyleneglycol, Hexamethyleneglycol	2
257	Triethylaluminum	C6H15Al	(C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> Al		2
306	Triethylarsine	C6H15As	(C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> As	Triethylarsenic	2
307	Triethoxyarsine	C6H15AsO3	(C <sub>2</sub> H <sub>5</sub> O) <sub>3</sub> As	Triethyl ester arsenous acid; Triethyl arsenite	2
308	Triethoxyborane	C6H15BO3	(C <sub>2</sub> H <sub>5</sub> O) <sub>3</sub> B	Boron triethoxide; triethyl borate	2
148	Triethylgallium	C6H15Ga	(C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> Ga	TEGa	4
309	Triethylindium	C6H15In	(C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> In	Indium, triethyl	2
310	Triethylamine	C6H15N	(C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> N	UN 1296	2
163	Triethyl Borate	C6H15O3B	B(OC <sub>2</sub> H <sub>5</sub> ) <sub>3</sub>	TEB, Triethoxyborane	2
311	Triethoxyphosphine	C6H15O3P	(C <sub>2</sub> H <sub>5</sub> O) <sub>3</sub> P	Triethyl phosphite; UN 2323; Phosphorous acid, triethyl ester	2
274	Triethyl arsenate	C6H15O4As	(C <sub>2</sub> H <sub>5</sub> O) <sub>3</sub> AsO	TEAsat	1
224	Fluorotriethoxysilane	C6H15OSiF	(C <sub>2</sub> H <sub>5</sub> O) <sub>3</sub> SiF		2
258	Triethylantimony	C6H15Sb	(C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> Sb		2
390	Tetramethylethylenediamine	C6H16N2	C <sub>6</sub> H <sub>16</sub> N <sub>2</sub>	TMEDA	
188	Diethoxydimethylsilane	C6H16O2Si	(C <sub>2</sub> H <sub>5</sub> O) <sub>2</sub> Si(CH <sub>3</sub> ) <sub>2</sub>		2
312	Triethoxysilane	C6H16O3Si	(C <sub>2</sub> H <sub>5</sub> O) <sub>3</sub> SiH		2
313	Triethylsilane	C6H16Si	(C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> SiH	(C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> SiH, TES	2
139	Hexamethyldisilane	C6H18Si2	(CH <sub>3</sub> ) <sub>3</sub> Si <sub>2</sub> (CH <sub>3</sub> ) <sub>3</sub>	HMDSi, HMDS	3
228	Hexamethyldisiloxane	C6H18Si2O	(CH <sub>3</sub> ) <sub>6</sub> Si <sub>2</sub> O		2
227	Hexamethyldisilazane	C6H19Si2N	(CH <sub>3</sub> ) <sub>6</sub> Si <sub>2</sub> NH		2
172	Chlorobenzene	C6H5Cl	C <sub>6</sub> H <sub>5</sub> Cl	Chlorobenzol, Phenylchloride	2
197	Benzene	C6H6	C <sub>6</sub> H <sub>6</sub>		2
180	Phenol	C6H6O	C <sub>6</sub> H <sub>5</sub> OH		2
314	Trimethylisoxazole	C6H9NO	CH <sub>3</sub> CH=CHCH=CHCONH <sub>2</sub>	3,4,5-Trimethylisoxazole, Sorbamide	3

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273	Tungsten Hexacarbonyl	C6O6W	W(CO) <sub>6</sub>		1
177	Methylcyclohexane	C7H14	CH <sub>3</sub> C <sub>6</sub> H <sub>11</sub>	Hexahydrotoluene	2
363	Bicycloheptadiene	C7H8	C <sub>7</sub> H <sub>8</sub>	BCHD, Norbornadiene	
181	Toluene	C7H8	C <sub>6</sub> H <sub>5</sub> CH <sub>3</sub>	Methylbenzene	2
345	1,3,5,7-Octatetraene	C8H10	CH <sub>2</sub> =CHCH=CHCH=CHCH=CH <sub>2</sub>		3
343	1,7-Octadiyne	C8H10	HC≡C(CH <sub>2</sub> ) <sub>4</sub> C≡CH		3
344	2,6-Octadiyne	C8H10	CH <sub>3</sub> C≡CCH <sub>2</sub> CH <sub>2</sub> C≡CCH <sub>3</sub>		3
342	3-one-2,5-dimethyl hexadiene	C8H10	CH <sub>2</sub> =C(CH <sub>3</sub> )C=CC(CH <sub>3</sub> )CH <sub>2</sub>		3
174	Ethylbenzene	C8H10	C <sub>6</sub> H <sub>5</sub> C <sub>2</sub> H <sub>5</sub>		2
179	o-Xylene	C8H10	1,2-(CH <sub>3</sub> ) <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	1,2-Dimethylbenzene	2
263	Xylene m-	C8H10	1,3-(CH <sub>3</sub> ) <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	1,3 Dimethyl Benzene	3
264	Xylene p-	C8H10	1,4-(CH <sub>3</sub> ) <sub>2</sub> C <sub>6</sub> H <sub>4</sub>	1,4 Dimethyl Benzene	3
392	Tetravinylsilane	C8H12Si	C <sub>8</sub> H <sub>12</sub> Si	Tetraethenylsilane	
237	Octane	C8H18	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>6</sub> CH <sub>3</sub>		2
315	Tetraethylgermane	C8H20Ge	(C <sub>2</sub> H <sub>5</sub> ) <sub>4</sub> Ge	(C <sub>2</sub> H <sub>5</sub> ) <sub>4</sub> Ge; Germanium tetraethyl	2
144	Tetraethoxysilane	C8H20O4Si	(C <sub>2</sub> H <sub>5</sub> O) <sub>4</sub> Si	TEOS	2
316	Tetraethyl Lead	C8H20Pb	(C <sub>2</sub> H <sub>5</sub> ) <sub>4</sub> Pb	Plumbane, tetraethyl; UN 1649	2
317	Tetraethylsilane	C8H20Si	C <sub>8</sub> H <sub>20</sub> Si	Tetraethylsilane; Tetraethylsilicon; (C <sub>2</sub> H <sub>5</sub> ) <sub>4</sub> Si	2
318	Tetrakis(dimethylamido)titanium	C8H24N4Ti	[(CH <sub>3</sub> ) <sub>2</sub> N] <sub>4</sub> Ti	TDMAT	2
364	OctaMethylCyclo TetraSiloxane	C8H24O4Si4	(CH <sub>3</sub> CH <sub>3</sub> SiO) <sub>4</sub>	OMCTS	
319	Styrene	C8H8	C <sub>6</sub> H <sub>5</sub> CH=CH <sub>2</sub>	Ethenylbenzene; UN 2055	2
320	Triallylamine	C9H15N	(CH <sub>2</sub> =CHCH <sub>2</sub> ) <sub>3</sub> N	Tri-2-propenylamine	2
209	Dibromodifluoromethane	CBr2F2	Br <sub>2</sub> CF <sub>2</sub>	R-12B2, FREON-12B2	2
200	Carbon Tetrabromide	CBr4	CBr <sub>4</sub>		2
199	Bromochlorodifluoromethane	CBrClF2	BrClCF <sub>2</sub>		2
80	Bromotrifluoromethane	CBrF3	BrCF <sub>3</sub>	F-13B1, R-13B1	1
84	Dichlorodifluoromethane	CCl2F2	CCl <sub>2</sub> F <sub>2</sub>	F-12, R-12	1
60	Phosgene	CCl2O	CCl <sub>2</sub> O	Carbonyl Chloride	1
91	Trichlorofluoromethane	CCl3F	CCl <sub>3</sub> F	F-11, R-11	1
101	Carbon Tetrachloride	CCl4	CCl <sub>4</sub>	Tetrachloromethane or Methane, Tetrachloro	2
74	Chlorotrifluoromethane	CClF3	ClCF <sub>3</sub>	F-13, R-13	1
46	Carbonyl Fluoride	CF2O	CF <sub>2</sub> O		1
259	Trifluoroacetic Acid	CF3CO2H	CF <sub>3</sub> CO <sub>2</sub> H		2
360	Trifluoroiodomethane	CF3I	CF <sub>3</sub> I		13
63	Carbon Tetrafluoride	CF4	CF <sub>4</sub>	Tetrafluoromethane or Methane, Tetrafluoro	1
321	Trifluoromethylhypofluorite	CF4O	CF <sub>3</sub> OF	CF <sub>3</sub> OF; Hypofluorous acid; trifluoromethyl ester	2

<i>Code</i>	<i>Gas Name</i>	<i>Symbol</i>	<i>Formula</i>	<i>Synonym</i>	<i>Ref</i>
268	Methylene Bromide	CH <sub>2</sub> Br <sub>2</sub>	CH <sub>2</sub> Br <sub>2</sub>	UN 2664; Methyl dibromide, Dibromomethane	1
265	Dichloromethane	CH <sub>2</sub> Cl <sub>2</sub>	CH <sub>2</sub> Cl <sub>2</sub>		
160	Difluoromethane	CH <sub>2</sub> F <sub>2</sub>	CH <sub>2</sub> F <sub>2</sub>	Methylene Fluoride	2
208	Diazomethane	CH <sub>2</sub> N <sub>2</sub>	CH <sub>2</sub> N <sub>2</sub>	Acomethylene	2
322	Formaldehyde	CH <sub>2</sub> O	HCHO	H <sub>2</sub> CO; UN 1198; BFV	2
44	Methyl Bromide	CH <sub>3</sub> Br	CH <sub>3</sub> Br	Bromomethane or Methane, Bromo	1
398	Propylamine	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>2</sub> NH <sub>2</sub>	C <sub>3</sub> H <sub>9</sub> N		
396	Butylamine	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>3</sub> NH	C <sub>4</sub> H <sub>11</sub> N		
36	Methyl Chloride	CH <sub>3</sub> Cl	CH <sub>3</sub> Cl	Chloromethane or Methane, Chloro	1
183	Methyltrichlorosilane	CH <sub>3</sub> Cl <sub>3</sub> Si	CH <sub>3</sub> SiCl <sub>3</sub>	MTS	2
33	Methyl Fluoride	CH <sub>3</sub> F	CH <sub>3</sub> F	Fluoromethane or Methane, Fluoro	1
323	Iodomethane	CH <sub>3</sub> I	CH <sub>3</sub> I	Methyl iodide; UN 2644	2
235	Nitromethane	CH <sub>3</sub> NO <sub>2</sub>	CH <sub>3</sub> NO <sub>2</sub>		2
365	Dichloromethylsilane	CH <sub>3</sub> SiHCl <sub>2</sub>	CH <sub>3</sub> SiHCl <sub>2</sub>	DCMS	2
28	Methane	CH <sub>4</sub>	CH <sub>4</sub>		1
176	Methanol	CH <sub>4</sub> O	CH <sub>3</sub> OH	Methyl Alcohol	2
47	Methyl Mercaptan	CH <sub>4</sub> S	CH <sub>3</sub> SH		1
52	Methylamine	CH <sub>5</sub> N	CH <sub>3</sub> NH <sub>2</sub>	Amino Methane, Monomethylamine	2
234	Monomethyl hydrazine	CH <sub>6</sub> N <sub>2</sub>	CH <sub>3</sub> N <sub>2</sub> H <sub>3</sub>		2
185	Methylsilane	CH <sub>6</sub> Si	CH <sub>3</sub> SiH <sub>3</sub>	Monomethylsilane	2
83	Tribromomethane	CHBr <sub>3</sub>	CHBr <sub>3</sub>	Bromoform	2
65	Dichlorofluoromethane	CHCl <sub>2</sub> F	CHCl <sub>2</sub> F	F-21, R-21	1
71	Chloroform	CHCl <sub>3</sub>	CHCl <sub>3</sub>	Trichloromethane or Methane, Trichloro	2
57	Chlorodifluoromethane	CHClF <sub>2</sub>	CClHF <sub>2</sub>	F-22, R-22	1
49	Fluoroform	CHF <sub>3</sub>	CHF <sub>3</sub>	Trifluoromethane or Methane, Trifluoro, F-23, R-23	1
389	Formic Acid	CHOOH	CH <sub>2</sub> O <sub>2</sub>	Methanoic acid	15
19	Chlorine	Cl <sub>2</sub>	Cl <sub>2</sub>		1
37	Cyanogen Chloride	ClCN	ClCN		1
77	Chlorine Trifluoride	ClF <sub>3</sub>	ClF <sub>3</sub>		1
202	Chlorine Pentafluoride	ClF <sub>5</sub>	ClF <sub>5</sub>		2
201	Chlorine Dioxide	ClO <sub>2</sub>	ClO <sub>2</sub>		2
72	Perchloryl Fluoride	ClO <sub>3</sub> F	ClO <sub>3</sub> F		1
9	Carbon Monoxide	CO	CO		1
25	Carbon Dioxide	CO <sub>2</sub>	CO <sub>2</sub>		1
34	Carbonyl Sulfide	COS	COS		1
40	Carbon Disulfide	CS <sub>2</sub>	CS <sub>2</sub>		2

<i>Code</i>	<i>Gas Name</i>	<i>Symbol</i>	<i>Formula</i>	<i>Synonym</i>	<i>Ref</i>
14	Deuterium	D2	H <sub>2</sub> <sup>2</sup>	D2	2
18	Fluorine	F2	F <sub>2</sub>		1
217	Digermane	Ge2H6	Ge <sub>2</sub> H <sub>6</sub>		2
113	Germanium Tetrachloride	GeCl4	GeCl <sub>4</sub>	Tetrachlorogermane	2
99	Germanium Tetrafluoride	GeF4	GeF <sub>4</sub>	Tetrafluorogermane	2
43	Germane	GeH4	GeH <sub>4</sub>		1
7	Hydrogen	H2	H <sub>2</sub>		1
20	Water Vapor	H2O	H <sub>2</sub> O		2
22	Hydrogen Sulfide	H2S	H <sub>2</sub> S		1
23	Hydrogen Selenide	H2Se	H <sub>2</sub> Se		1
171	Sulfuric Acid	H2SO4	H <sub>2</sub> SO <sub>4</sub>		2
229	Hydrogen Telluride	H2Te	H <sub>2</sub> Te		2
368	Trisilylamine	H9NSi3	N(SiH <sub>3</sub> ) <sub>3</sub>		3
10	Hydrogen Bromide	HBr	HBr		1
11	Hydrogen Chloride	HCl	HCl		1
24	Hydrogen Cyanide	HCN	HCN		1
1	Helium	He	He		1
12	Hydrogen Fluoride	HF	HF		1
275	Hafnium Tetranitrate	HfN4O12	Hf(NO <sub>3</sub> ) <sub>4</sub>	Hafnium nitrate	1
329	Mercury	Hg	Hg	UN 2809	2
17	Hydrogen Iodide	HI	HI		1
269	Hydrazoic Acid	HN3	HN <sub>3</sub>		1
167	Nitric Acid	HNO3	HNO <sub>3</sub>		2
115	Iodine Pentafluoride	IF5	IF <sub>5</sub>		1
5	Krypton	Kr	Kr		1
124	Molybdenum Hexafluoride	MoF6	MoF <sub>6</sub>		2
13	Nitrogen	N2	N <sub>2</sub>		1
157	Tetrafluorohydrazine	N2F4	F <sub>2</sub> NNF <sub>2</sub>	Dinitrogen Tetrafluoride	1
388	Diazene	N2H2	H <sub>2</sub> N <sub>2</sub>	Diimine, Diimide	15
50	Hydrazine	N2H4	H <sub>2</sub> NNH <sub>2</sub>		2
27	Nitrous Oxide	N2O	N <sub>2</sub> O		1
78	Nitrogen Trioxide	N2O3	N <sub>2</sub> O <sub>3</sub>		1
95	Nitrogen Tetroxide	N2O4	N <sub>2</sub> O <sub>4</sub>	Dinitrogenoxide	2
346	Niobium Pentachloride	NbCl5	NbCl <sub>5</sub>		3
350	Deuterium Ammonia	ND3	ND <sub>3</sub>		3
2	Neon	Ne	Ne		1
232	Difluoroamidogen	NF2	NF <sub>2</sub>		2
53	Nitrogen Trifluoride	NF3	NF <sub>3</sub>		1
357	Natural Gas	NG	NG		2
29	Ammonia	NH3	NH <sub>3</sub>		1
369	Tetrakis(trifluorophosphorus) nickel	Ni(PF3)4	Ni(PF <sub>3</sub> ) <sub>4</sub>		3



<i>Code</i>	<i>Gas Name</i>	<i>Symbol</i>	<i>Formula</i>	<i>Synonym</i>	<i>Ref</i>
16	Nitric Oxide	NO	NO		2
26	Nitrogen Dioxide	NO2	NO <sub>2</sub>		1
141	Nitrosyl Chloride	NOCl	NOCl		1
15	Oxygen	O2	O <sub>2</sub>		1
30	Ozone	O3	O <sub>3</sub>		1
238	Oxygen Dichloride	OCl2	OCl <sub>2</sub>		2
41	Oxygen Difluoride	OF2	OF <sub>2</sub>		1
193	Phosphorus Trichloride	PCl3	PCl <sub>3</sub>		2
62	Phosphorus Trifluoride	PF3	PF <sub>3</sub>		1
143	Phosphorus Pentafluoride	PF5	PF <sub>5</sub>		1
31	Phosphine	PH3	PH <sub>3</sub>		1
102	Phosphorous Oxychloride	POCl3	POCl <sub>3</sub>		2
243	Rhenium Hexafluoride	ReF6	ReF <sub>6</sub>		2
3	Radon	Rn	Rn		2
189	Sulfur Monochloride	S2Cl2	S <sub>2</sub> Cl <sub>2</sub>		2
255	Tribromostibine	SbBr3	SbBr <sub>3</sub>		2
256	Trichlorostibine	SbCl3	SbCl <sub>3</sub>		2
245	Stibine	SbH3	SbH <sub>3</sub>		2
349	Diselenium Dichloride	Se2Cl2	Se <sub>2</sub> Cl <sub>2</sub>		3
325	Selenium Hexafluoride	SeF6	SeF <sub>6</sub>	UN 2194; Selenium fluoride	2
86	Sulfur Tetrafluoride	SF4	SF <sub>4</sub>		1
110	Sulfur Hexafluoride	SF6	SF <sub>6</sub>		1
395	Octamethylcyclotetrasiloxane	[-Si(CH3)2O-] <sub>4</sub>	C <sub>8</sub> H <sub>24</sub> O <sub>4</sub> Si <sub>4</sub>	OMCTS	
347	Disilabutane	Si2C2H10	Si <sub>2</sub> C <sub>2</sub> H <sub>10</sub>		3
97	Disilane	Si2H6	Si <sub>2</sub> H <sub>6</sub>		2
328	Trisilane	Si3H8	Si <sub>3</sub> H <sub>8</sub>	Silicopropane; Trisilicane; H <sub>8</sub> Si <sub>3</sub>	2
253	Tetrasilane	Si4H10	Si <sub>4</sub> H <sub>10</sub>		2
108	Silicon Tetrachloride	SiCl4	SiCl <sub>4</sub>	Tetrachlorosilane	2
244	Deuteriumsiline	SiD4	SiH <sub>2</sub> D <sub>2</sub>		2
367	Difluorodichlorosilane	SiF2Cl2	SiF <sub>2</sub> Cl <sub>2</sub>		2
88	Silicon Tetrafluoride	SiF4	SiF <sub>4</sub>		1
326	Disilane hexafluoride	Si2F6	Si <sub>2</sub> F <sub>6</sub>	F <sub>6</sub> Si <sub>2</sub> ; Hexafluorodisilane	2
67	Dichlorosilane	SiH2Cl2	SiH <sub>2</sub> Cl <sub>2</sub>		1
134	Difluorosilane	SiH2F2	SiH <sub>2</sub> F <sub>2</sub>		10
205	Chlorosilane	SiH3Cl	SiH <sub>3</sub> Cl		2
327	Fluorosilane	SiH3F	SiH <sub>3</sub> F	H <sub>3</sub> FSi	2
39	Silane	SiH4	SiH <sub>4</sub>		1
147	Trichlorosilane	SiHCl3	SiHCl <sub>3</sub>		5
261	Trifluorosilane	SiHF3	SiHF <sub>3</sub>		2
145	Tin Tetrachloride	SnCl4	SnCl <sub>4</sub>	Tetrachlorostannane	2
32	Sulfur Dioxide	SO2	SO <sub>2</sub>		1

Code	Gas Name	Symbol	Formula	Synonym	Ref
87	Sulfuryl Fluoride	SO <sub>2</sub> F <sub>2</sub>	SO <sub>2</sub> F <sub>2</sub>		1
246	Sulfur Trioxide	SO <sub>3</sub>	SO <sub>3</sub>		2
358	Sulfur Trioxide	SO <sub>3</sub>	SO <sub>3</sub>	Sulfan	13
159	Tritium	T <sub>2</sub>	H <sub>3</sub> <sup>2</sup>	T <sub>2</sub>	2
247	Tellurium Hexafluoride	TeF <sub>6</sub>	TeF <sub>6</sub>		2
114	Titanium Tetrachloride	TiCl <sub>4</sub>	TiCl <sub>4</sub>		2
254	Titanium Tetraiodide	TiI <sub>4</sub>	TiI <sub>4</sub>		2
123	Uranium Hexafluoride	UF <sub>6</sub>	UF <sub>6</sub>		2
121	Tungsten Hexafluoride	WF <sub>6</sub>	WF <sub>6</sub>		2
6	Xenon	Xe	Xe		1
324	Xenon difluoride	XeF <sub>2</sub>	XeF <sub>2</sub>	F <sub>2</sub> Xe; Xenon fluoride	2
330	Zinc	Zn	Zn	UN 1383	2

## 9 Mixed Gas Table Sorted by Code

9.1 Mixed gases are percent by volume.

**Table 4 Mixed Gases Sorted by Code**

Mixed Gas Name	Symbol	Code
15% PHOSPHINE/NITROGEN	15% PH <sub>3</sub> /N <sub>2</sub>	0500
5% PHOSPHINE/NITROGEN	5% PH <sub>3</sub> /N <sub>2</sub>	0501
20% SILANE/NITROGEN	20% SiH <sub>4</sub> /N <sub>2</sub>	0502
40% ARGON/TUNGSTEN HEXAFLUORIDE	40% Ar/WF <sub>6</sub>	0503
10% ARSINE/HYDROGEN	10% AsH <sub>3</sub> /H <sub>2</sub>	0504
40% OXYGEN/HEXAFLUOROETHANE(FREON-116)	40% O <sub>2</sub> /C <sub>2</sub> F <sub>6</sub>	0505
2% TRICHLOROETHANE/NITROGEN	2% C <sub>2</sub> H <sub>3</sub> Cl <sub>3</sub> /N <sub>2</sub>	0506
20% CARBON DIOXIDE/HYDROGEN	20% CO <sub>2</sub> /H <sub>2</sub>	0507
30% CARBON DIOXIDE/AIR	30% CO <sub>2</sub> /Air	0508
10% GERMANE/HYDROGEN	10% GeH <sub>4</sub> /H <sub>2</sub>	0509
5% HYDROGEN SELENIDE/HYDROGEN	5% H <sub>2</sub> Se/H <sub>2</sub>	0510
10% HYDROGEN SELENIDE/HYDROGEN	10% H <sub>2</sub> Se/H <sub>2</sub>	0511
13% HYDROGEN CHLORIDE/1.32% XENON/NEON	13% HCl/1.32% Xe/Ne	0512
20% OXYGEN/CARBON TETRAFLUORIDE(FREON-14)	20% O <sub>2</sub> /CF <sub>4</sub>	0513
1% PHOSPHINE/NITROGEN	1% PH <sub>3</sub> /N <sub>2</sub>	0514
1.6% PHOSPHINE/21% SILANE/ARGON	1.6% PH <sub>3</sub> /21% SiH <sub>4</sub> /Ar	0515
10% PHOSPHINE/HYDROGEN	10% PH <sub>3</sub> /H <sub>2</sub>	0516
25% PHOSPHINE/SILANE	25% PH <sub>3</sub> /SiH <sub>4</sub>	0517
50% PHOSPHINE/NITROGEN	50% PH <sub>3</sub> /N <sub>2</sub>	0518
15% SILANE/NITROGEN	15% SiH <sub>4</sub> /N <sub>2</sub>	0519
21% SILANE/4% PHOSPHINE/ARGON	21% SiH <sub>4</sub> /4% PH <sub>3</sub> /Ar	0520
50% SILANE/HELIUM	50% SiH <sub>4</sub> /He	0521
20% TRICHLOROSILANE/HYDROGEN	20% SiHCl <sub>3</sub> /H <sub>2</sub>	0522

<i>Mixed Gas Name</i>	<i>Symbol</i>	<i>Code</i>
5% TETRAETHYLORTHOSILICATE (TEOS)/NITROGEN	5% Si(C <sub>2</sub> H <sub>5</sub> O) <sub>4</sub> /N <sub>2</sub>	0523
5% TRIETHYLANTIMONY (TESb)/HYDROGEN	5% (C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> Sb/H <sub>2</sub>	0524
20% TRIMETHYLALUMINUM (TMAI)/HYDROGEN	20% (CH <sub>3</sub> ) <sub>3</sub> Al/H <sub>2</sub>	0525
1% TRIMETHYL BORATE (TMB)/HYDROGEN	1% (CH <sub>3</sub> O) <sub>3</sub> B/H <sub>2</sub>	0526
10% PHOSPHINE/NITROGEN	10% PH <sub>3</sub> /N <sub>2</sub>	0527
4.5% PHOSPHINE/NITROGEN	4.5% PH <sub>3</sub> /N <sub>2</sub>	0528
20% SILANE/HELIUM	20% SiH <sub>4</sub> /He	0529
20% PHOSPHINE/SILANE	20% PH <sub>3</sub> /SiH <sub>4</sub>	0530
1% PHOSPHINE/SILANE	1% PH <sub>3</sub> /SiH <sub>4</sub>	0531
10% HYDROGEN/NITROGEN	10% H <sub>2</sub> /N <sub>2</sub>	0532
1.5% PHOSPHINE/SILANE	1.5% PH <sub>3</sub> /SiH <sub>4</sub>	0533
3% PHOSPHINE/ARGON	3% PH <sub>3</sub> /Ar	0534
4% PHOSPHINE/NITROGEN	4% PH <sub>3</sub> /N <sub>2</sub>	0535
20% OXYGEN/HELIUM	20% O <sub>2</sub> /He	0536
1% PHOSPHINE/ARGON	1% PH <sub>3</sub> /Ar	0537
10% PHOSPHINE/ARGON	10% PH <sub>3</sub> /Ar	0538
2% PHOSPHINE/ARGON	2% PH <sub>3</sub> /Ar	0539
20% ARGON/SILANE	20% Ar/SiH <sub>4</sub>	0540
20% SILANE/ARGON	20% SiH <sub>4</sub> /Ar	0541
5% HYDROGEN/NITROGEN	5% H <sub>2</sub> /N <sub>2</sub>	0542
16% CARBON DIOXIDE/NITROGEN	16% CO <sub>2</sub> /N <sub>2</sub>	0543
2% SILANE/HYDROGEN	2% SiH <sub>4</sub> /H <sub>2</sub>	0544
15% HYDROGEN/NITROGEN	15% H <sub>2</sub> /N <sub>2</sub>	0545
1% PHOSPHINE/HELIUM	1% PH <sub>3</sub> /He	0546
0.01% DIBORANE/HYDROGEN	0.01% B <sub>2</sub> H <sub>6</sub> /H <sub>2</sub>	0547
0.01% SILANE/HYDROGEN	0.01% SiH <sub>4</sub> /H <sub>2</sub>	0548
0.5% DIBORANE/ARGON	0.5% B <sub>2</sub> H <sub>6</sub> /Ar	0549
0.5% PHOSPHINE/NITROGEN	0.5% PH <sub>3</sub> /N <sub>2</sub>	0550
0.5% SILANE/HYDROGEN	0.5% SiH <sub>4</sub> /H <sub>2</sub>	0551
0.8% PHOSPHINE/NITROGEN	0.8% PH <sub>3</sub> /N <sub>2</sub>	0552
0.8% PHOSPHINE/SILANE	0.8% PH <sub>3</sub> /SiH <sub>4</sub>	0553
0.9% ARSINE/HYDROGEN	0.9% AsH <sub>3</sub> /H <sub>2</sub>	0554
1% ARSINE/NITROGEN	1% AsH <sub>3</sub> /N <sub>2</sub>	0555
1% ARSINE/SILANE	1% AsH <sub>3</sub> /SiH <sub>4</sub>	0556
1% DIBORANE/HYDROGEN	1% B <sub>2</sub> H <sub>6</sub> /H <sub>2</sub>	0557
1% DIBORANE/NITROGEN	1% B <sub>2</sub> H <sub>6</sub> /N <sub>2</sub>	0558
1% BORON TRICHLORIDE/HYDROGEN	1% BCl <sub>3</sub> /H <sub>2</sub>	0559
1% BORON TRICHLORIDE/NITROGEN	1% BCl <sub>3</sub> /N <sub>2</sub>	0560
1% HYDROGEN/NITROGEN	1% H <sub>2</sub> /N <sub>2</sub>	0561
1% OXYGEN/NITROGEN	1% O <sub>2</sub> /N <sub>2</sub>	0562
1% PHOSPHINE/HYDROGEN	1% PH <sub>3</sub> /H <sub>2</sub>	0563
1.5% ARSINE/HYDROGEN	1.5% AsH <sub>3</sub> /H <sub>2</sub>	0564

<i>Mixed Gas Name</i>	<i>Symbol</i>	<i>Code</i>
10% SILANE/ARGON	10% SiH <sub>4</sub> /Ar	0565
10% FLUORINE/HELIUM	10% F <sub>2</sub> /He	0566
5% WATER VAPOR/AIR	5% H <sub>2</sub> O/Air	0567
10% WATER VAPOR/NITROGEN	10% H <sub>2</sub> O/N <sub>2</sub>	0568
2% OZONE/OXYGEN	2% O <sub>3</sub> /O <sub>2</sub>	0569
10% NITROGEN TRIFLUORIDE/OXYGEN	10% NF <sub>3</sub> /O <sub>2</sub>	0570
10% OZONE/OXYGEN	10% O <sub>3</sub> /O <sub>2</sub>	0571
10% PHOSPHINE/SILANE	10% PH <sub>3</sub> /SiH <sub>4</sub>	0572
10% SILANE/HELIUM	10% SiH <sub>4</sub> /He	0573
8% CARBON TETRAFLUORIDE(FREON-14)/OXYGEN	8% CF <sub>4</sub> /O <sub>2</sub>	0574
10% SILANE/HYDROGEN	10% SiH <sub>4</sub> /H <sub>2</sub>	0575
10% NITROGEN/ARGON	10% N <sub>2</sub> /Ar	0576
20% SILANE/HYDROGEN	20% SiH <sub>4</sub> /H <sub>2</sub>	0577
15% ARGON/PHOSPHINE	15% Ar/PH <sub>3</sub>	0578
15% ARSINE/HYDROGEN	15% AsH <sub>3</sub> /H <sub>2</sub>	0579
15% DIBORANE/NITROGEN	15% B <sub>2</sub> H <sub>6</sub> /N <sub>2</sub>	0580
15% PHOSPHINE/15% SILANE/NITROGEN	15% PH <sub>3</sub> /15% SiH <sub>4</sub> /N <sub>2</sub>	0581
15% PHOSPHINE/ARGON	15% PH <sub>3</sub> /Ar	0582
15% PHOSPHINE/HYDROGEN	15% PH <sub>3</sub> /H <sub>2</sub>	0583
15% PHOSPHINE/SILANE	15% PH <sub>3</sub> /SiH <sub>4</sub>	0584
17% OXYGEN/CARBON TETRAFLUORIDE(FREON-14)	17% O <sub>2</sub> /CF <sub>4</sub>	0585
2% ARSINE/NITROGEN	2% AsH <sub>3</sub> /N <sub>2</sub>	0586
2% DIBORANE/ARGON	2% B <sub>2</sub> H <sub>6</sub> /Ar	0587
2% HYDROGEN/NITROGEN	2% H <sub>2</sub> /N <sub>2</sub>	0588
2% SILANE/HELIUM	2% SiH <sub>4</sub> /He	0589
20% ARSINE/HYDROGEN	20% AsH <sub>3</sub> /H <sub>2</sub>	0590
20% DIBORANE/SILANE	20% B <sub>2</sub> H <sub>6</sub> /SiH <sub>4</sub>	0591
20% HYDROGEN/CARBON MONOXIDE	20% H <sub>2</sub> /CO	0592
20% PHOSPHINE/HYDROGEN	20% PH <sub>3</sub> /H <sub>2</sub>	0593
21% OXYGEN/NITROGEN	21% O <sub>2</sub> /N <sub>2</sub>	0594
3% DIBORANE/NITROGEN	3% B <sub>2</sub> H <sub>6</sub> /N <sub>2</sub>	0595
3% HYDROGEN/HELIUM	3% H <sub>2</sub> /He	0596
3% HYDROGEN/NITROGEN	3% H <sub>2</sub> /N <sub>2</sub>	0597
3% OXYGEN/HELIUM	3% O <sub>2</sub> /He	0598
3% OZONE/AIR	3% O <sub>3</sub> /Air	0599
3% PHOSPHINE/NITROGEN	3% PH <sub>3</sub> /N <sub>2</sub>	0600
3% PHOSPHINE/SILANE	3% PH <sub>3</sub> /SiH <sub>4</sub>	0601
3% SILANE/HELIUM	3% SiH <sub>4</sub> /He	0602
30% HELIUM/OXYGEN	30% He/O <sub>2</sub>	0603
30% OXYGEN/HELIUM	30% O <sub>2</sub> /He	0604
4% DIBORANE/NITROGEN	4% B <sub>2</sub> H <sub>6</sub> /N <sub>2</sub>	0605
4% HYDROGEN/HELIUM	4% H <sub>2</sub> /He	0606

<i>Mixed Gas Name</i>	<i>Symbol</i>	<i>Code</i>
4%HYDROGEN/NITROGEN	4% H <sub>2</sub> /N <sub>2</sub>	0607
4%NITROGEN/HYDROGEN	4% N <sub>2</sub> /H <sub>2</sub>	0608
4%OXYGEN/CARBON TETRAFLUORIDE(FREON-14)	4% O <sub>2</sub> /CF <sub>4</sub>	0609
4%PHOSPHINE/HELIUM	4% PH <sub>3</sub> /He	0610
4%PHOSPHINE/SILANE	4% PH <sub>3</sub> /SiH <sub>4</sub>	0611
40%HELIUM/SILANE	40% He/SiH <sub>4</sub>	0612
8%OXYGEN/CARBON TETRAFLUORIDE(FREON-14)	8% O <sub>2</sub> /CF <sub>4</sub>	0613
5%ARSINE/HYDROGEN	5% AsH <sub>3</sub> /H <sub>2</sub>	0614
5%DIBORANE/ARGON	5% B <sub>2</sub> H <sub>6</sub> /Ar	0615
5%BORON TRICHLORIDE/HYDROGEN	5% BCl <sub>3</sub> /H <sub>2</sub>	0616
5%PROPANE/HYDROGEN	5% C <sub>3</sub> H <sub>8</sub> /H <sub>2</sub>	0617
5%CARBON DIOXIDE/NITROGEN	5% CO <sub>2</sub> /N <sub>2</sub>	0618
5%HYDROGEN/ARGON	5% H <sub>2</sub> /Ar	0619
8%PHOSPHINE/NITROGEN	8% PH <sub>3</sub> /N <sub>2</sub>	0620
5%NITROGEN/HYDROGEN	5% N <sub>2</sub> /H <sub>2</sub>	0621
5%NITROGEN/PHOSPHINE	5% N <sub>2</sub> /PH <sub>3</sub>	0622
5%OXYGEN/ARGON	5% O <sub>2</sub> /Ar	0623
5%OZONE/OXYGEN	5% O <sub>3</sub> /O <sub>2</sub>	0624
5%PHOSPHINE/5%SILANE/NITROGEN	5% PH <sub>3</sub> /5% SiH <sub>4</sub> /N <sub>2</sub>	0625
5%PHOSPHINE/ARGON	5% PH <sub>3</sub> /Ar	0626
5%PHOSPHINE/SILANE	5% PH <sub>3</sub> /SiH <sub>4</sub>	0627
5%DICHLOROSILANE/ARGON	5% SiH <sub>2</sub> Cl <sub>2</sub> /Ar	0628
5%SILANE/ARGON	5% SiH <sub>4</sub> /Ar	0629
50%HELIUM/OXYGEN	50% He/O <sub>2</sub>	0630
50%NITROGEN/OXYGEN	50% N <sub>2</sub> /O <sub>2</sub>	0631
50%PHOSPHINE/SILANE	50% PH <sub>3</sub> /SiH <sub>4</sub>	0632
50%SILANE/HYDROGEN	50% SiH <sub>4</sub> /H <sub>2</sub>	0633
6.5%DIBORANE/15%SILANE/NITROGEN	6.5% B <sub>2</sub> H <sub>6</sub> /15% SiH <sub>4</sub> /N <sub>2</sub>	0634
6.5%DIBORANE/HYDROGEN	6.5% B <sub>2</sub> H <sub>6</sub> /H <sub>2</sub>	0635
8%PHOSPHINE/SILANE	8% PH <sub>3</sub> /SiH <sub>4</sub>	0636
30%OXYGEN/HYDROGEN	30% O <sub>2</sub> /H <sub>2</sub>	0637
25%AMMONIA/HYDROGEN	25% NH <sub>3</sub> /H <sub>2</sub>	0638
8%OZONE/OXYGEN	8% O <sub>3</sub> /O <sub>2</sub>	0639
2%PHOSPHINE/NITROGEN	2% PH <sub>3</sub> /N <sub>2</sub>	0640
15%OZONE/OXYGEN	15% O <sub>3</sub> /O <sub>2</sub>	0641
40%OXYGEN/SULFUR HEXAFLUORIDE	40% O <sub>2</sub> /SF <sub>6</sub>	0642
13%HYDROGEN/NITROGEN	13% H <sub>2</sub> /N <sub>2</sub>	0643
1%HYDROGEN SULFIDE/HYDROGEN	1% H <sub>2</sub> S/H <sub>2</sub>	0644
1%HYDROGEN SELENIDE/HYDROGEN	1% H <sub>2</sub> Se/H <sub>2</sub>	0645
10%SILANE/NITROGEN	10% SiH <sub>4</sub> /N <sub>2</sub>	0646
10%DISILANE/HELIUM	10% Si <sub>2</sub> H <sub>6</sub> /He	0647
20%DISILANE/HELIUM	20% Si <sub>2</sub> H <sub>6</sub> /He	0648

<i>Mixed Gas Name</i>	<i>Symbol</i>	<i>Code</i>
10% OXYGEN/HELIUM	10% O <sub>2</sub> /He	0649
50% HYDROGEN BROMIDE/HYDROGEN CHLORIDE	50% HBr/HCl	0650
12% OZONE/OXYGEN	12% O <sub>3</sub> /O <sub>2</sub>	0651
15% NITRIC OXIDE/NITROGEN	15% NO/N <sub>2</sub>	0652
2% SILANE/NITROGEN	2% SiH <sub>4</sub> /N <sub>2</sub>	0653
5% DIBORANE/NITROGEN	5% B <sub>2</sub> H <sub>6</sub> /N <sub>2</sub>	0654
0.5% BORON TRICHLORIDE/HYDROGEN	0.5% BCl <sub>3</sub> /H <sub>2</sub>	0655
0.5% PHOSPHINE/HYDROGEN	0.5% PH <sub>3</sub> /H <sub>2</sub>	0656
3% DIBORANE/HYDROGEN	3% B <sub>2</sub> H <sub>6</sub> /H <sub>2</sub>	0657
1% GERMANE/NITROGEN	1% GeH <sub>4</sub> /N <sub>2</sub>	0658
3% DIBORANE/5% SILANE/NITROGEN	3% B <sub>2</sub> H <sub>6</sub> /5% SiH <sub>4</sub> /N <sub>2</sub>	0659
0.3% PHOSPHINE/SILANE	0.3% PH <sub>3</sub> /SiH <sub>4</sub>	0660
30% NITROGEN TRIFLUORIDE/NITROGEN	30% NF <sub>3</sub> /N <sub>2</sub>	0661
0.8% DIBORANE/NITROGEN	0.8% B <sub>2</sub> H <sub>6</sub> /N <sub>2</sub>	0662
2% ARSINE/SILANE	2% AsH <sub>3</sub> /SiH <sub>4</sub>	0663
8% GERMANE/HYDROGEN	8% GeH <sub>4</sub> /H <sub>2</sub>	0664
3% ARSINE/HYDROGEN	3% AsH <sub>3</sub> /H <sub>2</sub>	0665
10% DIBORANE/NITROGEN	10% B <sub>2</sub> H <sub>6</sub> /N <sub>2</sub>	0666
8% PHOSPHINE/HELIUM	8% PH <sub>3</sub> /He	0667
10% AMMONIA/NITROGEN	10% NH <sub>3</sub> /N <sub>2</sub>	0668
5% FLUORINE/NITROGEN TRIFLUORIDE	5% F <sub>2</sub> /NF <sub>3</sub>	0669
10% DISILANE/ARGON	10% Si <sub>2</sub> H <sub>6</sub> /Ar	0670
3% PHOSPHINE/5% SILANE/NITROGEN	3% PH <sub>3</sub> /5% SiH <sub>4</sub> /N <sub>2</sub>	0671
3% NITROGEN/HYDROGEN	3% N <sub>2</sub> /H <sub>2</sub>	0672
0.7% ARSINE/HYDROGEN	0.7% AsH <sub>3</sub> /H <sub>2</sub>	0673
10% PHOSPHINE/HELIUM	10% PH <sub>3</sub> /He	0674
0.8% PHOSPHINE/HELIUM	0.8% PH <sub>3</sub> /He	0675
7.5% PHOSPHINE/SILANE	7.5% PH <sub>3</sub> /SiH <sub>4</sub>	0676
20% FLUORINE/HELIUM	20% F <sub>2</sub> /He	0677
22% PHOSPHINE/SILANE	22% PH <sub>3</sub> /SiH <sub>4</sub>	0678
5% TRICHLOROSILANE/HYDROGEN	5% SiHCl <sub>3</sub> /H <sub>2</sub>	0679
25% TRICHLOROSILANE/HYDROGEN	25% SiHCl <sub>3</sub> /H <sub>2</sub>	0680
0.8% PHOSPHINE/DISILANE	0.8% PH <sub>3</sub> /Si <sub>2</sub> H <sub>6</sub>	0681
13% TRICHLOROSILANE/HYDROGEN	13% SiHCl <sub>3</sub> /H <sub>2</sub>	0682
5% DIBORANE/SILANE	5% B <sub>2</sub> H <sub>6</sub> /SiH <sub>4</sub>	0683
1% SILANE/DIBORANE	1% SiH <sub>4</sub> /B <sub>2</sub> H <sub>6</sub>	0684
7% METHYLENE CHLORIDE/3% OZONE/AIR	7% CH <sub>2</sub> Cl <sub>2</sub> /3% O <sub>3</sub> /Air	0685
50% FLUOROFORM/ARGON	50% CHF <sub>3</sub> /Ar	0686
20% HELIUM/OXYGEN	20% He/O <sub>2</sub>	0687
3% ARSINE/ARGON	3% AsH <sub>3</sub> /Ar	0688
10% METHYLSILANE/HYDROGEN	10% CH <sub>6</sub> Si/H <sub>2</sub>	0689
0.05% DIBORANE/HYDROGEN	0.05% B <sub>2</sub> H <sub>6</sub> /H <sub>2</sub>	0690

<i>Mixed Gas Name</i>	<i>Symbol</i>	<i>Code</i>
4% PHOSPHINE/ARGON	4% PH <sub>3</sub> /Ar	0691
8% HYDROGEN/ARGON	8% H <sub>2</sub> /Ar	0692
5% PHOSPHINE/HELIUM	5% PH <sub>3</sub> /He	0693
15% HYDROGEN/ARGON	15% H <sub>2</sub> /Ar	0694
2% DIBORANE/NITROGEN	2% B <sub>2</sub> H <sub>6</sub> /N <sub>2</sub>	0695
2% PHOSPHINE/SILANE	2% PH <sub>3</sub> /SiH <sub>4</sub>	0696
15% DIBORANE/ARGON	15% B <sub>2</sub> H <sub>6</sub> /Ar	0697
10% GERMANE/ARGON	10% GeH <sub>4</sub> /Ar	0698
5% METHANE/HELIUM	5% CH <sub>4</sub> /He	0699
4% HYDROGEN/ARGON	4% H <sub>2</sub> /Ar	0700
10% DIBORANE/HYDROGEN	10% B <sub>2</sub> H <sub>6</sub> /H <sub>2</sub>	0701
40% SILANE/HELIUM	40% SiH <sub>4</sub> /He	0702
2% ARSINE/HYDROGEN	2% AsH <sub>3</sub> /H <sub>2</sub>	0703
10% GERMANE/HELIUM	10% GeH <sub>4</sub> /He	0704
9.4% ARGON/NITROGEN TRIFLUORIDE	9.4% Ar/NF <sub>3</sub>	0705
8.6% ARGON/NITROGEN TRIFLUORIDE	8.6% Ar/NF <sub>3</sub>	0706
0.8% PHOSPHINE/HYDROGEN	0.8% PH <sub>3</sub> /H <sub>2</sub>	0707
0.06% ARSINE/HYDROGEN	0.06% AsH <sub>3</sub> /H <sub>2</sub>	0708
5% PHOSPHINE/HYDROGEN	5% PH <sub>3</sub> /H <sub>2</sub>	0709
10% METHANE/ARGON	10% CH <sub>4</sub> /Ar	0710
5% ACETONE/NITROGEN	5% C <sub>3</sub> H <sub>6</sub> O-m)/N <sub>2</sub>	0711
5% BENZENE/NITROGEN	5% C <sub>6</sub> H <sub>6</sub> /N <sub>2</sub>	0712
20% DISILANE/HYDROGEN	20% Si <sub>2</sub> H <sub>6</sub> /H <sub>2</sub>	0713
8% PROPANE/10% AMMONIA/AIR	8% C <sub>3</sub> H <sub>8</sub> /10% NH <sub>3</sub> /Air	0714
8.2% PROPANE/9.8% AMMONIA/AIR	8.2% C <sub>3</sub> H <sub>8</sub> /9.8% NH <sub>3</sub> /Air	0715
10% CYCLOPROPANE/HELIUM	10% C <sub>3</sub> H <sub>6</sub> -a)/He	0716
2% METHYSILANE/HYDROGEN	2% CH <sub>6</sub> Si/H <sub>2</sub>	0717
10% ETHYLENE/HELIUM	10% C <sub>2</sub> H <sub>4</sub> /He	0718
5% CHLORINE/HELIUM	5% Cl <sub>2</sub> /He	0719
5% FLUORINE/HELIUM	5% F <sub>2</sub> /He	0720
0.7% ARSINE/HELIUM	0.7% AsH <sub>3</sub> /He	0721
5% DIBORANE/HYDROGEN	5% B <sub>2</sub> H <sub>6</sub> /H <sub>2</sub>	0722
20% OZONE/NITROGEN	20% O <sub>3</sub> /N <sub>2</sub>	0723
1% ARSINE/HYDROGEN	1% AsH <sub>3</sub> /H <sub>2</sub>	0724
40% HYDROGEN/HELIUM	40% H <sub>2</sub> /He	0725
5% HYDROGEN CHLORIDE/NITROGEN	5% HCl/N <sub>2</sub>	0726
8% HYDROGEN/NITROGEN	8% H <sub>2</sub> /N <sub>2</sub>	0727
20% CARBON TETRAFLUORIDE/NITROGEN	20% CF <sub>4</sub> /N <sub>2</sub>	0728
10% CARBON MONOXIDE/CARBON DIOXIDE	10% CO/CO <sub>2</sub>	0729
10% CARBON MONOXIDE/AIR	10% CO/Air	0730
10% DISILANE/HYDROGEN	10% Si <sub>2</sub> H <sub>6</sub> /H <sub>2</sub>	0731
5% FLUORINE/NITROGEN	5% F <sub>2</sub> /N <sub>2</sub>	0732

<i>Mixed Gas Name</i>	<i>Symbol</i>	<i>Code</i>
1% FLUORINE/NEON	1% F <sub>2</sub> /Ne	0733
5% CARBON DIOXIDE/15% OXYGEN/NITROGEN	5% CO <sub>2</sub> /15% O <sub>2</sub> /N <sub>2</sub>	0734
10% CARBON DIOXIDE/10% OXYGEN/NITROGEN	10% CO <sub>2</sub> /10% O <sub>2</sub> /N <sub>2</sub>	0735
20% OXYGEN/NITROGEN	20% O <sub>2</sub> /N <sub>2</sub>	0736
25% HELIUM/ARGON	25% He/Ar	0737
4% HELIUM/NITROGEN	4% He/N <sub>2</sub>	0738
10% TRIMETHYLSILANE/HYDROGEN	10% (CH <sub>3</sub> ) <sub>3</sub> SiH/H <sub>2</sub>	0739
2% GERMANE/ARGON	2% GeH <sub>4</sub> /Ar	0740
0.8% ARSINE/HYDROGEN	0.8% AsH <sub>3</sub> /H <sub>2</sub>	0741
0.8% GERMANIUM TETRAFLUORIDE/HYDROGEN	0.8% GeF <sub>4</sub> /H <sub>2</sub>	0742
0.8% DIBORANE/HYDROGEN	0.8% B <sub>2</sub> H <sub>6</sub> /H <sub>2</sub>	0743
10% METHANE/HELIUM	10% CH <sub>4</sub> /He	0744
1% SILANE/HELIUM	1% SiH <sub>4</sub> /He	0745
25% FLUORINE/NITROGEN	25% F <sub>2</sub> /N <sub>2</sub>	0746
50% GERMANE/ARGON	50% GeH <sub>4</sub> /Ar	0747
7% CARBON DIOXIDE/10% HYDROGEN/ 20% CARBON MONOXIDE/NITROGEN	7% CO <sub>2</sub> /10% H <sub>2</sub> /20% CO/N <sub>2</sub>	0748
10% HELIUM/HYDROGEN	10% He/H <sub>2</sub>	0749
1% BUTADIENE/BUTENE	1% C <sub>4</sub> H <sub>6</sub> -e)/C <sub>4</sub> H <sub>8</sub> -i)	0750
40% GERMANE/ARGON	40% GeH <sub>4</sub> /Ar	0751
5% HELIUM/NITROGEN	5% He/N <sub>2</sub>	0752
5% OXYGEN/CARBON TETRAFLUORIDE	5% O <sub>2</sub> /CF <sub>4</sub>	0753
10% FLUORINE/ARGON	10% F <sub>2</sub> /Ar	0754
25% FLUORINE/ARGON	25% F <sub>2</sub> /Ar	0755
50% FLUORINE/ARGON	50% F <sub>2</sub> /Ar	0756
50% FLUORINE/HELIUM	50% F <sub>2</sub> /He	0757
25% FLUORINE/HELIUM	25% F <sub>2</sub> /He	0758
10% FLUORINE/NITROGEN	10% F <sub>2</sub> /N <sub>2</sub>	0759
50% FLUORINE/NITROGEN	50% F <sub>2</sub> /N <sub>2</sub>	0760
5% FLUORINE/ARGON	5% F <sub>2</sub> /Ar	0761
5% HYDROGEN/HELIUM	5% H <sub>2</sub> /He	0762
5% SULFUR DIOXIDE/HELIUM	5% SO <sub>2</sub> /He	0763
2% DISILANE/HELIUM	2% Si <sub>2</sub> H <sub>6</sub> /He	0764
5% GERMANE/HELIUM	5% GeH <sub>4</sub> /He	0765
5% DIBORANE/HELIUM	5% B <sub>2</sub> H <sub>6</sub> /He	0766
20% PHOSPHINE/NITROGEN	20% PH <sub>3</sub> /N <sub>2</sub>	0767
3.5% HYDROGEN/NITROGEN	3.5% H <sub>2</sub> /N <sub>2</sub>	0768
50% HEXAFLUOROETHANE/OXYGEN	50% C <sub>2</sub> F <sub>6</sub> /O <sub>2</sub>	0769
25% HEXAFLUOROETHANE/OXYGEN	25% C <sub>2</sub> F <sub>6</sub> /O <sub>2</sub>	0770
0.7% GERMANIUM/HYDROGEN	0.7% GeH <sub>4</sub> /H <sub>2</sub>	0771
1% ACETYLENE/ETHYLENE	1% C <sub>2</sub> H <sub>2</sub> /C <sub>2</sub> H <sub>4</sub>	0772
5% SILANE/NITROGEN	5% SiH <sub>4</sub> /N <sub>2</sub>	0773



<i>Mixed Gas Name</i>	<i>Symbol</i>	<i>Code</i>
0.8% CO/0.8% O <sub>2</sub> /20% CO <sub>2</sub> /32% N <sub>2</sub> /H <sub>2</sub>	SELOX GAS MIX	0774
1.5% GERMANE/HYDROGEN	1.5% GeH <sub>4</sub> /H <sub>2</sub>	0775
5% BORON TRIFLUORIDE/HELIUM	5% BF <sub>3</sub> /He	0776
5% PHOSPHORUS PENTAFLUORIDE/HELIUM	5% PF <sub>5</sub> /He	0777
15% CARBON DIOXIDE/NITROGEN	15% CO <sub>2</sub> /N <sub>2</sub>	0778
5% OXYGEN/HELIUM	5% O <sub>2</sub> /He	0779
5% SILANE/HELIUM	5% SiH <sub>4</sub> /He	0780
1% NITROGEN DIOXIDE/NITROGEN	1% NO <sub>2</sub> /N <sub>2</sub>	0781
1% SULFUR DIOXIDE/NITROGEN	1% SO <sub>2</sub> /N <sub>2</sub>	0782
10% CARBON DIOXIDE/NITROGEN	10% CO <sub>2</sub> /N <sub>2</sub>	0783
0.02% CARBON MONOXIDE/NITROGEN	0.02% CO/N <sub>2</sub>	0784
5% HEXAFLUOROETHANE/OXYGEN	5% C <sub>2</sub> F <sub>6</sub> /O <sub>2</sub>	0785
0.1% CARBON MONOXIDE/NITROGEN	0.1% CO/N <sub>2</sub>	0786
15% GERMANIUM TETRACHLORIDE/OXYGEN	15% GeCl <sub>4</sub> /O <sub>2</sub>	0787
2% NITROGEN/3% CARBON MONOXIDE/ 17% CARBON DIOXIDE/HYDROGEN	2% N <sub>2</sub> /3% CO/17% CO <sub>2</sub> /H <sub>2</sub>	0788
0.1% PHOSPHINE/NITROGEN	0.1% PH <sub>3</sub> /N <sub>2</sub>	0789
0.1% HYDROGEN CHLORIDE/NITROGEN	0.1% HCl/N <sub>2</sub>	0790
0.1% NITROGEN DIOXIDE/AIR	0.1% NO <sub>2</sub> /Air	0791
0.1% NITROGEN DIOXIDE/NITROGEN	0.1% NO <sub>2</sub> /N <sub>2</sub>	0792
0.1% PHOSPHINE/HYDROGEN	0.1% PH <sub>3</sub> /H <sub>2</sub>	0793
0.2% SULFUR DIOXIDE/AIR	0.2% SO <sub>2</sub> /Air	0794
0.25% CARBON MONOXIDE/0.1% HYDROGEN/1% OXYGEN/NITROGEN	0.25% CO/0.1% H <sub>2</sub> /1% O <sub>2</sub> /N <sub>2</sub>	0795
0.25% DIBORANE/HYDROGEN	0.25% B <sub>2</sub> H <sub>6</sub> /H <sub>2</sub>	0796
0.25% OXYGEN/0.5% HYDROGEN/1.5% CARBON MONOXIDE/NITROGEN	0.25% O <sub>2</sub> /0.5% H <sub>2</sub> /1.5% CO/N <sub>2</sub>	0797
0.4% HYDROGEN CHLORIDE/AIR	0.4% HCl/Air	0798
0.5% ARSINE/SILANE	0.5% AsH <sub>3</sub> /SiH <sub>4</sub>	0799
1% CARBON DIOXIDE/NITROGEN	1% CO <sub>2</sub> /N <sub>2</sub>	0800
1% CARBON MONOXIDE/19% NITROGEN/30% OXYGEN/CARBON DIOXIDE	1% CO/19% N <sub>2</sub> /30% O <sub>2</sub> /CO <sub>2</sub>	0801
1% CARBON MONOXIDE/AIR	1% CO/Air	0802
1% CARBON MONOXIDE/CARBON DIOXIDE	1% CO/CO <sub>2</sub>	0803
1% CHLORINE/NITROGEN	1% Cl <sub>2</sub> /N <sub>2</sub>	0804
1% DIBORANE/ARGON	1% B <sub>2</sub> H <sub>6</sub> /Ar	0805
1% HYDROGEN SULFIDE/NITROGEN	1% H <sub>2</sub> S/N <sub>2</sub>	0806
1% METHANE/49.5% CARBON DIOXIDE/ARGON	1% CH <sub>4</sub> /49.5% CO <sub>2</sub> /Ar	0807
1% NITROGEN DIOXIDE/AIR	1% NO <sub>2</sub> /Air	0808
1% SULFUR DIOXIDE/ARGON	1% SO <sub>2</sub> /Ar	0809
1.5% SILANE/ARGON	1.5% SiH <sub>4</sub> /Ar	0810
1.8% SILANE/NITROGEN	1.8% SiH <sub>4</sub> /N <sub>2</sub>	0811
1.9% SILANE/NITROGEN	1.9% SiH <sub>4</sub> /N <sub>2</sub>	0812
10% CARBON DIOXIDE/ARGON	10% CO <sub>2</sub> /Ar	0813
10% FLUORINE/OXYGEN	10% F <sub>2</sub> /O <sub>2</sub>	0814

<i>Mixed Gas Name</i>	<i>Symbol</i>	<i>Code</i>
10% METHANE/HYDROGEN	10% CH <sub>4</sub> /H <sub>2</sub>	0815
10% OXYGEN/30% CARBON DIOXIDE/ARGON	10% O <sub>2</sub> /30% CO <sub>2</sub> /Ar	0816
10% OZONE/NITROGEN	10% O <sub>3</sub> /N <sub>2</sub>	0817
10% SULFUR DIOXIDE/NITROGEN	10% SO <sub>2</sub> /N <sub>2</sub>	0818
12% HYDROGEN/NITROGEN	12% H <sub>2</sub> /N <sub>2</sub>	0819
15% DIBORANE/HYDROGEN	15% B <sub>2</sub> H <sub>6</sub> /H <sub>2</sub>	0820
15% SILANE/ARGON	15% SiH <sub>4</sub> /Ar	0821
2% NITRIC OXIDE/NITROGEN	2% NO/N <sub>2</sub>	0822
2% SILANE/ARGON	2% SiH <sub>4</sub> /Ar	0823
2% SULFUR DIOXIDE/NITROGEN	2% SO <sub>2</sub> /N <sub>2</sub>	0824
2.5% DIBORANE/HYDROGEN	2.5% B <sub>2</sub> H <sub>6</sub> /H <sub>2</sub>	0825
2.5% METHANE/AIR	2.5% CH <sub>4</sub> /Air	0826
20% FLUOROFORM/OXYGEN	20% CHF <sub>3</sub> /O <sub>2</sub>	0827
22% OXYGEN/HELIUM	22% O <sub>2</sub> /He	0828
25% CARBON MONOXIDE/HYDROGEN	25% CO/H <sub>2</sub>	0829
25% PROPANE/PROPYLENE	25% C <sub>3</sub> H <sub>8</sub> /C <sub>3</sub> H <sub>6</sub>	0830
3% AMMONIA/NITROGEN	3% NH <sub>3</sub> /N <sub>2</sub>	0831
3% BORON TRICHLORIDE/HYDROGEN	3% BCl <sub>3</sub> /H <sub>2</sub>	0832
3% HYDROGEN/ARGON	3% H <sub>2</sub> /Ar	0833
3% PHOSPHINE/HELIUM	3% PH <sub>3</sub> /He	0834
3.5% CARBON DIOXIDE/HELIUM	3.5% CO <sub>2</sub> /He	0835
30% ISOBUTANE/HELIUM	30% CH(CH <sub>3</sub> ) <sub>3</sub> /He	0836
30% GERMANE/ARGON	30% GeH <sub>4</sub> /Ar	0837
30% SILANE/ARGON	30% SiH <sub>4</sub> /Ar	0838
30% SILANE/NITROGEN	30% SiH <sub>4</sub> /N <sub>2</sub>	0839
33.3% HYDROGEN/CARBON MONOXIDE	33.3% H <sub>2</sub> /CO	0840
35% PHOSPHINE/SILANE	35% PH <sub>3</sub> /SiH <sub>4</sub>	0841
4% SILANE/NITROGEN	4% SiH <sub>4</sub> /N <sub>2</sub>	0842
5% AMMONIA/NITROGEN	5% NH <sub>3</sub> /N <sub>2</sub>	0843
5% CARBON MONOXIDE/ARGON	5% CO/Ar	0844
5% ETHENE/NITROGEN	5% C <sub>2</sub> H <sub>4</sub> /N <sub>2</sub>	0845
5% HELIUM/ARGON	5% He/Ar	0846
5% SILANE/HYDROGEN	5% SiH <sub>4</sub> /H <sub>2</sub>	0847
50% CARBON DIOXIDE/NITROGEN	50% CO <sub>2</sub> /N <sub>2</sub>	0848
50% HELIUM/ARGON	50% He/Ar	0849
50% HYDROGEN/NITROGEN	50% H <sub>2</sub> /N <sub>2</sub>	0850
50% NITROGEN DIOXIDE/AMMONIA	50% NO <sub>2</sub> /NH <sub>3</sub>	0851
50% NITROGEN/HELIUM	50% N <sub>2</sub> /He	0852
50% SULFUR DIOXIDE/NITRIC OXIDE	50% SO <sub>2</sub> /NO	0853
6% CARBON DIOXIDE/NITROGEN	6% CO <sub>2</sub> /N <sub>2</sub>	0854
6% HYDROGEN CHLORIDE/OXYGEN	6% HCl/O <sub>2</sub>	0855
6% HYDROGEN/NITROGEN	6% H <sub>2</sub> /N <sub>2</sub>	0856

<i>Mixed Gas Name</i>	<i>Symbol</i>	<i>Code</i>
6% OZONE/OXYGEN	6% O <sub>3</sub> /O <sub>2</sub>	0857
6.5% DIBORANE/NITROGEN	6.5% B <sub>2</sub> H <sub>6</sub> /N <sub>2</sub>	0858
7% HYDROGEN/ARGON	7% H <sub>2</sub> /Ar	0859
8% DIBORANE/ARGON	8% B <sub>2</sub> H <sub>6</sub> /Ar	0860
8% DIBORANE/NITROGEN	8% B <sub>2</sub> H <sub>6</sub> /N <sub>2</sub>	0861
5% CARBON MONOXIDE/NITROGEN	5% CO/N <sub>2</sub>	0862
2% OXYGEN/ARGON	2% O <sub>2</sub> /Ar	0863
15% SILANE/HELIUM	15% SiH <sub>4</sub> /He	0864
5% CARBON DIOXIDE/5% OXYGEN/NITROGEN	5% CO <sub>2</sub> /5% O <sub>2</sub> /N <sub>2</sub>	0865
2.5% OXYGEN/5% CARBON DIOXIDE/NITROGEN	2.5% O <sub>2</sub> /5% CO <sub>2</sub> /N <sub>2</sub>	0866
5% CARBON DIOXIDE/10% OXYGEN/NITROGEN	5% CO <sub>2</sub> /10% O <sub>2</sub> /N <sub>2</sub>	0867
11% OZONE/OXYGEN	11% O <sub>3</sub> /O <sub>2</sub>	0868
20% OZONE/OXYGEN	20% O <sub>3</sub> /O <sub>2</sub>	0869
3% SILANE/HYDROGEN	3% SiH <sub>4</sub> /H <sub>2</sub>	0870
1% NITROGEN/HYDROGEN	1% N <sub>2</sub> /H <sub>2</sub>	0871
3% PROPANE/HYDROGEN	3% C <sub>3</sub> H <sub>8</sub> /H <sub>2</sub>	0872
1.65% ACETYLENE/70% ETHYLENE/NITROGEN	1.65% C <sub>2</sub> H <sub>2</sub> /70% C <sub>2</sub> H <sub>4</sub> /N <sub>2</sub>	0873
30% TRIMETHYLSILANE/HYDROGEN	30% (CH <sub>3</sub> ) <sub>3</sub> SiH/H <sub>2</sub>	0874
20% OXYGEN/ARGON	20% O <sub>2</sub> /Ar	0875
5% DIBORANE/5% SILANE/NITROGEN	5% B <sub>2</sub> H <sub>6</sub> /5% SiH <sub>4</sub> /N <sub>2</sub>	0876
30% TRICHLOROSILANE/HYDROGEN	30% SiHCl <sub>3</sub> /H <sub>2</sub>	0877
3% ETHYLENE/HELIUM	3% C <sub>2</sub> H <sub>4</sub> /He	0878
0.1% HYDROGEN/0.25% CARBON MONOXIDE/1% OXYGEN/NITROGEN	0.1% H <sub>2</sub> /0.25% CO/1% O <sub>2</sub> /N <sub>2</sub>	0879
20% NITROGEN/HYDROGEN	20% N <sub>2</sub> /H <sub>2</sub>	0880
10% DIBORANE/ARGON	10% B <sub>2</sub> H <sub>6</sub> /Ar	0881
21.6% CARBON DIOXIDE/32.4% NITROGEN/HYDROGEN	21.6% CO <sub>2</sub> /32.4% N <sub>2</sub> /H <sub>2</sub>	0882
7% HYDROGEN/HELIUM	7% H <sub>2</sub> /He	0883
4% TETRAFLUOROETHANE (FREON-134A)/44% PENTAFLUOROETHANE (FREON-125)/ETHANE, 1,1,1-TRIFLUORO-(HFC-143a)	4% C <sub>2</sub> H <sub>2</sub> F <sub>4</sub> /44% C <sub>2</sub> HF <sub>5</sub> /C <sub>2</sub> H <sub>3</sub> F <sub>3</sub>	0884
30% PROPANE/BUTANE	30% C <sub>3</sub> H <sub>8</sub> /C <sub>4</sub> H <sub>10</sub>	0885
0.01% PHOSPHINE/ARGON	0.01% PH <sub>3</sub> /Ar	0886
0.1% PHOSPHINE/ARGON	0.1% PH <sub>3</sub> /Ar	0887
0.1% DIBORANE/ARGON	0.1% B <sub>2</sub> H <sub>6</sub> /Ar	0888
0.5% PHOSPHINE/HELIUM	0.5% PH <sub>3</sub> /He	0889
5.5% ARSENIC TRICHLORIDE/HYDROGEN	5.5% AsCl <sub>3</sub> /H <sub>2</sub>	0890
17.4% GERMANIUM TETRACHLORIDE/HYDROGEN	17.4% GeCl <sub>4</sub> /H <sub>2</sub>	0891
32% SILICON TETRACHLORIDE/HYDROGEN	32% SiCl <sub>4</sub> /O <sub>2</sub>	0892
18.4% PHOSPHORUS OXYCHLORIDE/OXYGEN	18.4% POCl <sub>3</sub> /O <sub>2</sub>	0893
13% DISELENIUM DICHLORIDE/HYDROGEN	13% Se <sub>2</sub> Cl <sub>2</sub> /H <sub>2</sub>	0894
40% GERMANE/NITROGEN	40% GeH <sub>4</sub> /N <sub>2</sub>	0895
30% PHOSPHINE/SILANE	30% PH <sub>3</sub> /SiH <sub>4</sub>	0896
2.7% ETHYLENE/HELIUM	2.7% C <sub>2</sub> H <sub>4</sub> /He	0897

<i>Mixed Gas Name</i>	<i>Symbol</i>	<i>Code</i>
1%GERMANE/HYDROGEN	1%GeH4/H2	0898
1%METHYLSILANE (MONO)/HYDROGEN	1%CH6Si/H2	0899
0.48%NITROGEN TRIFLUORIDE/NITROGEN	0.48%NF3/N2	0900
7%OZONE/OXYGEN	7%O3/O2	0901
0.2%HYDROGEN SULFIDE/NITROGEN	0.2%H2S/N2	0902
2%HYDROGEN SULFIDE/NITROGEN	2%H2S/N2	0903
2%NITROGEN DIOXIDE/NITROGEN	2%NO2/N2	0904
0.4%CHLORINE/NITROGEN	0.4%Cl2/N2	0905
4.6%SULFUR DIOXIDE/NITROGEN	4.6%SO2/N2	0906
10%ARSINE/NITROGEN	10%AsH3/N2	0907
20%DIBORANE/HELIUM	20%B2H6/He	0908
5%HELIUM/HYDROGEN	5%He/H2	0909
0.5%GERMANE/HYDROGEN	0.5%GeH4/H2	0910
4%GERMANE/HYDROGEN	4%GeH4/H2	0911
50%BUTANE/ACETYLENE	50%C4H10/C2H2	0912
4.5%HYDROGEN/NITROGEN	4.5%H2/N2	0913
3%HELIUM/NITROGEN	3%He/N2	0914
1%TRIMETHYL BORATE/HELIUM	1%(CH3O)3B/He	0915
2%PHOSPHINE/HYDROGEN	2%PH3/H2	0916
50%PROPYLENE/NITROGEN	50%C3H6/N2	0917
10%METHYLTRICHLOROSILANE/HYDROGEN	10%CH3Cl3Si/H2	0918
20%HYDROGEN/20%CARBON MONOXIDE/NITROGEN	20%H2/20%CO/N2	0919
20%HYDROGEN/20%CARBON MONOXIDE/ARGON	20%H2/20%CO/Ar	0920
4%OXYGEN/NITROGEN	4%O2/N2	0921
2.5%ETHYLENE/HELIUM	2.5%C2H4/He	0922
1%SULFUR MONOXIDE/NITROGEN	1%SO/N2	0923
10%NITRIC OXIDE/NITROGEN	10%NO/N2	0924
10%PROPYLENE/NITROGEN	10%C3H6/N2	0925
3%HYDROGEN SULFIDE/HYDROGEN	3%H2S/H2	0926
6%DIBORANE/NITROGEN	6%B2H6/N2	0927
5%METHYLSILANE/HYDROGEN	5%CH6Si/H2	0928
10%METHANE/NITROGEN	10%CH4/N2	0929
3.9%HYDROGEN/NITROGEN	3.9%H2/N2	0930
12%TRISILANE/HYDROGEN	12%Si3H8/H2	0931
5%GERMANE/HYDROGEN	5%GeH4/H2	0932
2%DISILANE/HYDROGEN	2%Si2H6/H2	0933
2%OXYGEN/HELIUM	2%O2/He	0934
0.1%PHOSPHINE/HELIUM	0.1%PH3/He	0935
10%HELIUM/NITROGEN	10%He/N2	0936
12%CARBON DIOXIDE/AIR	12%CO2/Air	0937
2%GERMANE/HYDROGEN	2%GeH4/H2	0938
10%DIBORANE/HELIUM	10%B2H6/He	0939

<i>Mixed Gas Name</i>	<i>Symbol</i>	<i>Code</i>
9%TETRAKIS(ETHYLMETHYLAMIDO)HAFNIUM/N2	9%Hf(N((C2H5)(CH3))4)/N2	0940
1%OXYGEN/ARGON	1%O2/Ar	0941
10%HYDROGEN SULFIDE/HYDROGEN	10%H2S/H2	0942
40%HYDROGEN/NITROGEN	40%H2/N2	0943
40%NITROGEN/CARBON DIOXIDE	40%N2/CO2	0944
1%NITRIC OXIDE/NITROGEN	1%NO/N2	0945
30%ETHYLENE/HELIUM	30%C2H4/He	0946
10%HYDROGEN CHLORIDE/ARGON	10%HCl/Ar	0947
20%PHOSPHINE/ARGON	20%PH3/Ar	0948
2%FLUORINE/NEON	2%F2/Ne	0949
10%HYDROGEN/HELIUM	10%H2/He	0950
7%ARSINE/HYDROGEN	7%AsH3/H2	0951
0.75%HYDROGEN SULFIDE/METHANE	0.75%H2S/CH4	0952
15%HYDROGEN/DIBORANE	15%H2/B2H6	0953
14%SIH2CL2/20%SIH4/33%HCL/N2	14%SiH2Cl2/20%SiH4/33%HCl/ N2	0954
10%HYDROGEN/ARGON	10%H2/Ar	0955
2.7%ETHYLENE/HYDROGEN	2.7%C2H4/H2	0956
4.5%HYDROGEN/HELIUM	4.5%H2/He	0957
17%METHANE/CARBON DIOXIDE	17%CH4/83%CO2	0958
2.5%OXYGEN/NITROGEN	2.5%O2/N2	0959
5%OXYGEN/NITROGEN	5%O2/N2	0960
10%OXYGEN/NITROGEN	10%O2/N2	0961
20%MONO METHYL SILANE/H2	20%SiH3(CH3)/H2	0962
20%FLUORINE/N2	20%F2/N2	0963
0.5%SILANE/ARGON	0.5%SiH4/Ar	0964
50%DICHLOROMETHYLSILANE/50%HYDROGEN	50%CH3SiHCl2/50%H2	0965
2%TRIMETHOXYBORINE/HYDROGEN	2%(CH3O)3B/H2	0966
15%SULFUR DIOXIDE/NITROGEN	15%SO2/N2	0967
50%PROPANE/NITROGEN	50%C3H8/N2	0968
5%CARBON TETRAFLUORIDE(FREON-14)/ARGON	5%CF4/Ar	0969
0.5%TRIMETHYLBORON/HYDROGEN	0.5%B(CH3)3/H2	0970
3%TRIMETHYLBORON/SILANE	3%B(CH3)3/SiH4	0971
5%NITROGEN DIOXIDE/NITROGEN	5%NO2/N2	0972
2%HYDROGEN/ARGON	2%H2/Ar	0973
4%OXYGEN/ARGON	4%O2/Ar	0974
15%HYDROGEN SELENIDE/ARGON	15%H2Se/Ar	0975
4%METHANE/ARGON	4%CH4/Ar	0976
4%HELIUM/HYDROGEN	4%He/H2	0977
20%GERMANE/HYDROGEN	20%GeH4/H2	0978
0.5%DIBORANE/HELIUM	0.5%B2H6/He	0979
20%FLUORINE/80% ARGON	20%F2/80%Ar	0980

<i>Mixed Gas Name</i>	<i>Symbol</i>	<i>Code</i>
4% MONOMETHYLSILANE/ARGON	4% SiH <sub>3</sub> (CH <sub>3</sub> )/Ar	0981
5% HYDROGEN FLUORIDE/NITROGEN	5% HF/N <sub>2</sub>	0982
3% HYDROGEN SULFIDE/CARBON MONOXIDE	3% H <sub>2</sub> S/CO	0983
1.4% ACETYLENE/ARGON	1.4% C <sub>2</sub> H <sub>2</sub> /Ar	0984
2% DIGERMANE/HYDROGEN	2% Ge <sub>2</sub> H <sub>6</sub> /H <sub>2</sub>	0985
38% SILICON TETRACHLORIDE/OXYGEN	38% SiCl <sub>4</sub> /O <sub>2</sub>	0986
20% HYDROGEN SULFIDE/20% CARBON DIOXIDE/NITROGEN	20% H <sub>2</sub> S/20% CO <sub>2</sub> /N <sub>2</sub>	0987
20% DICHLOROSILANE/HYDROGEN	20% SiH <sub>2</sub> Cl <sub>2</sub> /H <sub>2</sub>	0988
0.1% CHLORINE/NITROGEN	0.1% Cl <sub>2</sub> /N <sub>2</sub>	0989
1% HYDROGEN CHLORIDE/NITROGEN	1% HCl/N <sub>2</sub>	0990
3% BORON TRICHLORIDE/NITROGEN	3% BCl <sub>3</sub> /N <sub>2</sub>	0991
18% NITRIC OXIDE/NITROGEN	18% NO/N <sub>2</sub>	0992
9% NITRIC OXIDE/41% NITROGEN/HYDROGEN	9% NO/41% N <sub>2</sub> /H <sub>2</sub>	0993
20% HYDROGEN/ARGON	20% H <sub>2</sub> /Ar	0994
5% PROPYLENE/NITROGEN	5% C <sub>3</sub> H <sub>6</sub> /N <sub>2</sub>	0995
25% HYDROGEN SULFIDE/75% ARGON	25% H <sub>2</sub> S/75% Ar	0996
25% HYDROGEN SELENIDE/75% ARGON	25% H <sub>2</sub> Se/75% Ar	0997
50% AMMONIA/30% HELIUM	50% NH <sub>3</sub> /50% He	0998
40% CARBON MONOXIDE/45% ETHYLENE/15% ARGON	40% CO/45% C <sub>2</sub> H <sub>4</sub> /15% Ar	0999
0.9% SILANE/NITROGEN	0.9% SiH <sub>4</sub> /N <sub>2</sub>	1000
5% ARGON/NITROGEN	5% Ar/N <sub>2</sub>	1001
25% PHOSPHINE/NITROGEN	25% PH <sub>3</sub> /N <sub>2</sub>	1002
5% 1,3-BUTADIENE/95% HELIUM	5% C <sub>4</sub> H <sub>6</sub> /95% He	1003
10% CHLORINE/90% NITROGEN	10% Cl <sub>2</sub> /90% N <sub>2</sub>	1004
15% XENON/85% NITROGEN	15% Xe/85% N <sub>2</sub>	1005
5% XENON/95% HYDROGEN	5% Xe/95% H <sub>2</sub>	1006
1.5% PHOSPHINE/NITROGEN	1.5% PH <sub>3</sub> /N <sub>2</sub>	1007
20% DIMETHYL ETHER/80% HELIUM	20% C <sub>2</sub> H <sub>6</sub> O/80% He	1008
20% DIMETHYL ETHER/80% ARGON	20% C <sub>2</sub> H <sub>6</sub> O/80% Ar	1009
10% CARBON DIOXIDE/90% HELIUM	10% CO <sub>2</sub> /90% He	1010
10% CARBON MONOXIDE/90% HELIUM	10% CO/90% He	1011
10% NITRIC OXIDE/90% HELIUM	10% NO/90% He	1012
4% PHOSPHINE/HYDROGEN	4% PH <sub>3</sub> /H <sub>2</sub>	1013
2% DIBORANE/HYDROGEN	2% B <sub>2</sub> H <sub>6</sub> /H <sub>2</sub>	1014
5% PROPANE/95% HELIUM	5% C <sub>3</sub> H <sub>8</sub> /95% He	1015
15% CARBON DIOXIDE/85% HELIUM	15% CO <sub>2</sub> /85% He	1016
5% METHANE/ARGON	5% CH <sub>4</sub> /95% Ar	1017
2% FORMIC ACID/98% NITROGEN	2% HCOOH/98% N <sub>2</sub>	1018
5% ACETYLENE/ARGON	5% C <sub>2</sub> H <sub>2</sub> /Ar	1019
5% HYDROGEN CHLORIDE/ARGON	5% HCl/Ar	1020
1% FLUORINE/3.5% ARGON/95.5% NEON	1% F <sub>2</sub> /3.5% Ar/95.5% Ne	1021
3.5% ARGON/96.5% NEON	3.5% Ar/96.5% Ne	1022

<i>Mixed Gas Name</i>	<i>Symbol</i>	<i>Code</i>
11% METHANE/22% CARBON MONOXIDE/23% CARBON DIOXIDE/BALANCE HYDROGEN	11% CH <sub>4</sub> /22% CO/23% CO <sub>2</sub> /balance H <sub>2</sub>	1023
30% FLUORINE/NITROGEN	30% F <sub>2</sub> /N <sub>2</sub>	1024
15% NITROGEN/ARGON	15% N <sub>2</sub> /Ar	1025
13% OZONE/OXYGEN	13% O <sub>3</sub> /O <sub>2</sub>	1026
0.75% DIBORANE/NITROGEN	0.75% B <sub>2</sub> H <sub>6</sub> /N <sub>2</sub>	1027
0.5% SILANE/NITROGEN	0.5% SiH <sub>4</sub> /N <sub>2</sub>	1028
0.3% SILICON TETRAFLUORIDE/NITROGEN	0.3% SiF <sub>4</sub> /N <sub>2</sub>	1029
2% CARBON MONOXIDE/NITROGEN	2% CO/N <sub>2</sub>	1030
0.5% HYDROGEN SULFIDE/NITROGEN	0.5% H <sub>2</sub> S/N <sub>2</sub>	1031
0.5% DISILANE/NITROGEN	0.5% Si <sub>2</sub> H <sub>6</sub> /N <sub>2</sub>	1032
0.2% HYDROGEN BROMIDE/NITROGEN	0.2% HBr/N <sub>2</sub>	1033
0.5% BORON TRICHLORIDE/NITROGEN	0.5% BCl <sub>3</sub> /N <sub>2</sub>	1034
0.2% SULFUR DIOXIDE/NITROGEN	0.2% SO <sub>2</sub> /N <sub>2</sub>	1035
2% AMMONIA/NITROGEN	2% NH <sub>3</sub> /N <sub>2</sub>	1036
5% METHYL CHLORIDE/NITROGEN	5% CH <sub>3</sub> Cl/N <sub>2</sub>	1037
0.5% HYDROGEN CHLORIDE/NITROGEN	0.5% HCl/N <sub>2</sub>	1038
0.2% TUNGSTEN HEXAFLUORIDE/NITROGEN	0.2% WF <sub>6</sub> /N <sub>2</sub>	1039
0.1% DIBORANE/99.9% HYDROGEN	0.1% B <sub>2</sub> H <sub>6</sub> /99.9% H <sub>2</sub>	1040
5% HYDROGEN CHLORIDE/1% DIHYDROGEN/NEON BALANCE	5% HCl/1% H <sub>2</sub> /Ne balance	1041
4.5% HYDROGEN CHLORIDE/0.9% DIHYDROGEN/NEON BALANCE	4.5% HCl/0.9% H <sub>2</sub> /Ne balance	1042
94.4% ARGON/5% HYDROGEN/0.6% CARBON DIOXIDE	94.4% Ar/5% H <sub>2</sub> /0.6% CO <sub>2</sub>	1043
10% NEON/HELIUM	10% Ne/He	1044
2.9% HYDROGEN/KRYPTON	2.9% H <sub>2</sub> /Kr	1045
0.3% OXYGEN/NITROGEN	0.3% O <sub>2</sub> /N <sub>2</sub>	1046
2% TRIMETHYLBORANE/HYDROGEN	2% TMB/H <sub>2</sub>	1047
15% OXYGEN/ARGON	15% O <sub>2</sub> /Ar	1048
1.1% PHOSPHINE/NITROGEN	1.1% PH <sub>3</sub> /N <sub>2</sub>	1049
30% FLUORINE/40% ARGON/30% NITROGEN	30% F <sub>2</sub> /40% Ar/30% N <sub>2</sub>	1050
1% CHLORINE TRIFLUORIDE/ARGON	1% ClF <sub>3</sub> /Ar	1051
5% CARBON DIOXIDE/95% ARGON	5% CO <sub>2</sub> /95% Ar	1052

## 10 Mixed Gas Table Sorted by Percentage

Table 5 Mixed Gases Sorted by Percentage

<i>Mixed Gas Name</i>	<i>Symbol</i>	<i>Code</i>
0.01% DIBORANE/HYDROGEN	0.01% B <sub>2</sub> H <sub>6</sub> /H <sub>2</sub>	0547
0.01% PHOSPHINE/ARGON	0.01% PH <sub>3</sub> /Ar	0886
0.01% SILANE/HYDROGEN	0.01% SiH <sub>4</sub> /H <sub>2</sub>	0548
0.02% CARBON MONOXIDE/NITROGEN	0.02% CO/N <sub>2</sub>	0784
0.05% DIBORANE/HYDROGEN	0.05% B <sub>2</sub> H <sub>6</sub> /H <sub>2</sub>	0690
0.06% ARSINE/HYDROGEN	0.06% AsH <sub>3</sub> /H <sub>2</sub>	0708

<i>Mixed Gas Name</i>	<i>Symbol</i>	<i>Code</i>
0.1% CARBON MONOXIDE/NITROGEN	0.1% CO/N <sub>2</sub>	0786
0.1% CHLORINE/NITROGEN	0.1% Cl <sub>2</sub> /N <sub>2</sub>	0989
0.1% DIBORANE/ARGON	0.1% B <sub>2</sub> H <sub>6</sub> /Ar	0888
0.1% DIBORANE/99.9% HYDROGEN	0.1% B <sub>2</sub> H <sub>6</sub> /99.9% H <sub>2</sub>	1040
0.1% HYDROGEN CHLORIDE/NITROGEN	0.1% HCl/N <sub>2</sub>	0790
0.1% HYDROGEN/0.25% CARBON MONOXIDE/1% OXYGEN/NITROGEN	0.1% H <sub>2</sub> /0.25% CO/1% O <sub>2</sub> /N <sub>2</sub>	0879
0.1% NITROGEN DIOXIDE/AIR	0.1% NO <sub>2</sub> /Air	0791
0.1% NITROGEN DIOXIDE/NITROGEN	0.1% NO <sub>2</sub> /N <sub>2</sub>	0792
0.1% PHOSPHINE/ARGON	0.1% PH <sub>3</sub> /Ar	0887
0.1% PHOSPHINE/HELIUM	0.1% PH <sub>3</sub> /He	0935
0.1% PHOSPHINE/HYDROGEN	0.1% PH <sub>3</sub> /H <sub>2</sub>	0793
0.1% PHOSPHINE/NITROGEN	0.1% PH <sub>3</sub> /N <sub>2</sub>	0789
0.2% HYDROGEN BROMIDE/NITROGEN	0.2% HBr/N <sub>2</sub>	1033
0.2% HYDROGEN SULFIDE/NITROGEN	0.2% H <sub>2</sub> S/N <sub>2</sub>	0902
0.2% SULFUR DIOXIDE/AIR	0.2% SO <sub>2</sub> /Air	0794
0.2% SULFUR DIOXIDE/NITROGEN	0.2% SO <sub>2</sub> /N <sub>2</sub>	1035
0.2% TUNGSTEN HEXAFLUORIDE/NITROGEN	0.2% WF <sub>6</sub> /N <sub>2</sub>	1039
0.25% CARBON MONOXIDE/0.1% HYDROGEN/1% OXYGEN/NITROGEN	0.25% CO/0.1% H <sub>2</sub> /1% O <sub>2</sub> /N <sub>2</sub>	0795
0.25% DIBORANE/HYDROGEN	0.25% B <sub>2</sub> H <sub>6</sub> /H <sub>2</sub>	0796
0.25% OXYGEN/0.5% HYDROGEN/1.5% CARBON MONOXIDE/NITROGEN	0.25% O <sub>2</sub> /0.5% H <sub>2</sub> /1.5% CO/N <sub>2</sub>	0797
0.3% OXYGEN/NITROGEN	0.3% O <sub>2</sub> /N <sub>2</sub>	1046
0.3% PHOSPHINE/SILANE	0.3% PH <sub>3</sub> /SiH <sub>4</sub>	0660
0.3% SILICON TETRAFLUORIDE/NITROGEN	0.3% SiF <sub>4</sub> /N <sub>2</sub>	1029
0.4% CHLORINE/NITROGEN	0.4% Cl <sub>2</sub> /N <sub>2</sub>	0905
0.4% HYDROGEN CHLORIDE/AIR	0.4% HCl/Air	0798
0.48% NITROGEN TRIFLUORIDE/NITROGEN	0.48% NF <sub>3</sub> /N <sub>2</sub>	0900
0.5% ARSINE/SILANE	0.5% AsH <sub>3</sub> /SiH <sub>4</sub>	0799
0.5% BORON TRICHLORIDE/HYDROGEN	0.5% BCl <sub>3</sub> /H <sub>2</sub>	0655
0.5% BORON TRICHLORIDE/NITROGEN	0.5% BCl <sub>3</sub> /N <sub>2</sub>	1034
0.5% DIBORANE/ARGON	0.5% B <sub>2</sub> H <sub>6</sub> /Ar	0549
0.5% DIBORANE/HELIUM	0.5% B <sub>2</sub> H <sub>6</sub> /He	0979
0.5% DISILANE/NITROGEN	0.5% Si <sub>2</sub> H <sub>6</sub> /N <sub>2</sub>	1032
0.5% HYDROGEN CHLORIDE/NITROGEN	0.5% HCl/N <sub>2</sub>	1038
0.5% HYDROGEN SULFIDE/NITROGEN	0.5% H <sub>2</sub> S/N <sub>2</sub>	1031
0.5% GERMANE/HYDROGEN	0.5% GeH <sub>4</sub> /H <sub>2</sub>	0910
0.5% PHOSPHINE/HELIUM	0.5% PH <sub>3</sub> /He	0889
0.5% PHOSPHINE/HYDROGEN	0.5% PH <sub>3</sub> /H <sub>2</sub>	0656
0.5% PHOSPHINE/NITROGEN	0.5% PH <sub>3</sub> /N <sub>2</sub>	0550
0.5% SILANE/ARGON	0.5% SiH <sub>4</sub> /Ar	0964
0.5% SILANE/HYDROGEN	0.5% SiH <sub>4</sub> /H <sub>2</sub>	0551
0.5% SILANE/NITROGEN	0.5% SiH <sub>4</sub> /N <sub>2</sub>	1028
0.5% TRIMETHYLBORON/HYDROGEN	0.5% B(CH <sub>3</sub> ) <sub>3</sub> /H <sub>2</sub>	0970



<i>Mixed Gas Name</i>	<i>Symbol</i>	<i>Code</i>
0.7% ARSINE/HELIUM	0.7% AsH <sub>3</sub> /He	0721
0.7% ARSINE/HYDROGEN	0.7% AsH <sub>3</sub> /H <sub>2</sub>	0673
0.7% GERMANIUM/HYDROGEN	0.7% GeH <sub>4</sub> /H <sub>2</sub>	0771
0.75% DIBORANE/NITROGEN	0.75% B <sub>2</sub> H <sub>6</sub> /N <sub>2</sub>	1027
0.75% HYDROGEN SULFIDE/METHANE	0.75% H <sub>2</sub> S/CH <sub>4</sub>	0952
0.8% ARSINE/HYDROGEN	0.8% AsH <sub>3</sub> /H <sub>2</sub>	0741
0.8% CO/0.8% O <sub>2</sub> /20% CO <sub>2</sub> /32% N <sub>2</sub> /H <sub>2</sub>	SELOX GAS MIX	0774
0.8% DIBORANE/HYDROGEN	0.8% B <sub>2</sub> H <sub>6</sub> /H <sub>2</sub>	0743
0.8% DIBORANE/NITROGEN	0.8% B <sub>2</sub> H <sub>6</sub> /N <sub>2</sub>	0662
0.8% GERMANIUM TETRAFLUORIDE/HYDROGEN	0.8% GeF <sub>4</sub> /H <sub>2</sub>	0742
0.8% PHOSPHINE/DISILANE	0.8% PH <sub>3</sub> /Si <sub>2</sub> H <sub>6</sub>	0681
0.8% PHOSPHINE/HELIUM	0.8% PH <sub>3</sub> /He	0675
0.8% PHOSPHINE/HYDROGEN	0.8% PH <sub>3</sub> /H <sub>2</sub>	0707
0.8% PHOSPHINE/NITROGEN	0.8% PH <sub>3</sub> /N <sub>2</sub>	0552
0.8% PHOSPHINE/SILANE	0.8% PH <sub>3</sub> /SiH <sub>4</sub>	0553
0.9% ARSINE/HYDROGEN	0.9% AsH <sub>3</sub> /H <sub>2</sub>	0554
0.9% SILANE/NITROGEN	0.9% SiH <sub>4</sub> /N <sub>2</sub>	1000
1% ACETYLENE/ETHYLENE	1% C <sub>2</sub> H <sub>2</sub> /C <sub>2</sub> H <sub>4</sub>	0772
1% ARSINE/HYDROGEN	1% AsH <sub>3</sub> /H <sub>2</sub>	0724
1% ARSINE/NITROGEN	1% AsH <sub>3</sub> /N <sub>2</sub>	0555
1% ARSINE/SILANE	1% AsH <sub>3</sub> /SiH <sub>4</sub>	0556
1% BORON TRICHLORIDE/HYDROGEN	1% BCl <sub>3</sub> /H <sub>2</sub>	0559
1% BORON TRICHLORIDE/NITROGEN	1% BCl <sub>3</sub> /N <sub>2</sub>	0560
1% BUTADIENE/BUTENE	1% C <sub>4</sub> H <sub>6</sub> -e/(C <sub>4</sub> H <sub>8</sub> -i)	0750
1% CARBON DIOXIDE/NITROGEN	1% CO <sub>2</sub> /N <sub>2</sub>	0800
1% CARBON MONOXIDE/19% NITROGEN/30% OXYGEN/CARBON DIOXIDE	1% CO/19% N <sub>2</sub> /30% O <sub>2</sub> /CO <sub>2</sub>	0801
1% CARBON MONOXIDE/AIR	1% CO/Air	0802
1% CARBON MONOXIDE/CARBON DIOXIDE	1% CO/CO <sub>2</sub>	0803
1% CHLORINE/NITROGEN	1% Cl <sub>2</sub> /N <sub>2</sub>	0804
1% CHLORINE TRIFLUORIDE/ARGON	1% ClF <sub>3</sub> /Ar	1051
1% DIBORANE/ARGON	1% B <sub>2</sub> H <sub>6</sub> /Ar	0805
1% DIBORANE/HYDROGEN	1% B <sub>2</sub> H <sub>6</sub> /H <sub>2</sub>	0557
1% DIBORANE/NITROGEN	1% B <sub>2</sub> H <sub>6</sub> /N <sub>2</sub>	0558
1% FLUORINE/3.5% ARGON/95.5% NEON	1% F <sub>2</sub> /3.5% Ar/95.5% Ne	1021
1% FLUORINE/NEON	1% F <sub>2</sub> /Ne	0733
1% GERMANE/HYDROGEN	1% GeH <sub>4</sub> /H <sub>2</sub>	0898
1% GERMANE/NITROGEN	1% GeH <sub>4</sub> /N <sub>2</sub>	0658
1% HYDROGEN CHLORIDE/NITROGEN	1% HCl/N <sub>2</sub>	0990
1% HYDROGEN SELENIDE/HYDROGEN	1% H <sub>2</sub> Se/H <sub>2</sub>	0645
1% HYDROGEN SULFIDE/HYDROGEN	1% H <sub>2</sub> S/H <sub>2</sub>	0644
1% HYDROGEN SULFIDE/NITROGEN	1% H <sub>2</sub> S/N <sub>2</sub>	0806
1% HYDROGEN/NITROGEN	1% H <sub>2</sub> /N <sub>2</sub>	0561

<i>Mixed Gas Name</i>	<i>Symbol</i>	<i>Code</i>
1% METHANE/49.5% CARBON DIOXIDE/ARGON	1% CH <sub>4</sub> /49.5% CO <sub>2</sub> /Ar	0807
1% METHYLSILANE (MONO)/HYDROGEN	1% CH <sub>6</sub> Si/H <sub>2</sub>	0899
1% NITRIC OXIDE/NITROGEN	1% NO/N <sub>2</sub>	0945
1% NITROGEN DIOXIDE/AIR	1% NO <sub>2</sub> /Air	0808
1% NITROGEN DIOXIDE/NITROGEN	1% NO <sub>2</sub> /N <sub>2</sub>	0781
1% NITROGEN/HYDROGEN	1% N <sub>2</sub> /H <sub>2</sub>	0871
1% OXYGEN/ARGON	1% O <sub>2</sub> /Ar	0941
1% OXYGEN/NITROGEN	1% O <sub>2</sub> /N <sub>2</sub>	0562
1% PHOSPHINE/ARGON	1% PH <sub>3</sub> /Ar	0537
1% PHOSPHINE/HELIUM	1% PH <sub>3</sub> /He	0546
1% PHOSPHINE/HYDROGEN	1% PH <sub>3</sub> /H <sub>2</sub>	0563
1% PHOSPHINE/NITROGEN	1% PH <sub>3</sub> /N <sub>2</sub>	0514
1% PHOSPHINE/SILANE	1% PH <sub>3</sub> /SiH <sub>4</sub>	0531
1% SILANE/DIBORANE	1% SiH <sub>4</sub> /B <sub>2</sub> H <sub>6</sub>	0684
1% SILANE/HELIUM	1% SiH <sub>4</sub> /He	0745
1% SULFUR DIOXIDE/ARGON	1% SO <sub>2</sub> /Ar	0809
1% SULFUR DIOXIDE/NITROGEN	1% SO <sub>2</sub> /N <sub>2</sub>	0782
1% SULFUR MONOXIDE/NITROGEN	1% SO/N <sub>2</sub>	0923
1% TRIMETHYL BORATE(TMB)/HYDROGEN	1% (CH <sub>3</sub> O) <sub>3</sub> B/H <sub>2</sub>	0526
1% TRIMETHYL BORATE/HELIUM	1% (CH <sub>3</sub> O) <sub>3</sub> B/He	0915
1.1% PHOSPHINE/NITROGEN	1.1% PH <sub>3</sub> /N <sub>2</sub>	1049
1.4% ACETYLENE/ARGON	1.4% C <sub>2</sub> H <sub>2</sub> /Ar	0984
1.5% ARSINE/HYDROGEN	1.5% AsH <sub>3</sub> /H <sub>2</sub>	0564
1.5% GERMANE/HYDROGEN	1.5% GeH <sub>4</sub> /H <sub>2</sub>	0775
1.5% PHOSPHINE/NITROGEN	1.5% PH <sub>3</sub> /N <sub>2</sub>	1007
1.5% PHOSPHINE/SILANE	1.5% PH <sub>3</sub> /SiH <sub>4</sub>	0533
1.5% SILANE/ARGON	1.5% SiH <sub>4</sub> /Ar	0810
1.6% PHOSPHINE/21% SILANE/ARGON	1.6% PH <sub>3</sub> /21% SiH <sub>4</sub> /Ar	0515
1.65% ACETYLENE/70% ETHYLENE/NITROGEN	1.65% C <sub>2</sub> H <sub>2</sub> /70% C <sub>2</sub> H <sub>4</sub> /N <sub>2</sub>	0873
1.8% SILANE/NITROGEN	1.8% SiH <sub>4</sub> /N <sub>2</sub>	0811
1.9% SILANE/NITROGEN	1.9% SiH <sub>4</sub> /N <sub>2</sub>	0812
2% AMMONIA/NITROGEN	2% NH <sub>3</sub> /N <sub>2</sub>	1036
2% ARSINE/HYDROGEN	2% AsH <sub>3</sub> /H <sub>2</sub>	0703
2% ARSINE/NITROGEN	2% AsH <sub>3</sub> /N <sub>2</sub>	0586
2% ARSINE/SILANE	2% AsH <sub>3</sub> /SiH <sub>4</sub>	0663
2% CARBON MONOXIDE/NITROGEN	2% CO/N <sub>2</sub>	1030
2% DIBORANE/ARGON	2% B <sub>2</sub> H <sub>6</sub> /Ar	0587
2% DIBORANE/HYDROGEN	2% B <sub>2</sub> H <sub>6</sub> /H <sub>2</sub>	1014
2% DIBORANE/NITROGEN	2% B <sub>2</sub> H <sub>6</sub> /N <sub>2</sub>	0695
2% DIGERMANE/HYDROGEN	2% Ge <sub>2</sub> H <sub>6</sub> /H <sub>2</sub>	0985
2% DISILANE/HELIUM	2% Si <sub>2</sub> H <sub>6</sub> /He	0764
2% DISILANE/HYDROGEN	2% Si <sub>2</sub> H <sub>6</sub> /H <sub>2</sub>	0933

<i>Mixed Gas Name</i>	<i>Symbol</i>	<i>Code</i>
2%FLUORINE/NEON	2%F2/Ne	0949
2%FORMIC ACID/98%NITROGEN	2%HCOOH/98%N2	1018
2%GERMANE/ARGON	2%GeH4/Ar	0740
2%GERMANE/HYDROGEN	2%GeH4/H2	0938
2%HYDROGEN SULFIDE/NITROGEN	2%H2S/N2	0903
2%HYDROGEN/ARGON	2%H2/Ar	0973
2%HYDROGEN/NITROGEN	2%H2/N2	0588
2%METHYSILANE/HYDROGEN	2%CH6Si/H2	0717
2%NITRIC OXIDE/NITROGEN	2%NO/N2	0822
2%NITROGEN DIOXIDE/NITROGEN	2%NO2/N2	0904
2%NITROGEN/3%CARBON MONOXIDE/17%CARBON DIOXIDE/ HYDROGEN	2%N2/3%CO/17%CO2/H2	0788
2%OXYGEN/ARGON	2%O2/Ar	0863
2%OXYGEN/HELIUM	2%O2/He	0934
2%OZONE/OXYGEN	2%O3/O2	0569
2%PHOSPHINE/ARGON	2%PH3/Ar	0539
2%PHOSPHINE/HYDROGEN	2%PH3/H2	0916
2%PHOSPHINE/NITROGEN	2%PH3/N2	0640
2%PHOSPHINE/SILANE	2%PH3/SiH4	0696
2%SILANE/ARGON	2%SiH4/Ar	0823
2%SILANE/HELIUM	2%SiH4/He	0589
2%SILANE/HYDROGEN	2%SiH4/H2	0544
2%SILANE/NITROGEN	2%SiH4/N2	0653
2%SULFUR DIOXIDE/NITROGEN	2%SO2/N2	0824
2%TRICHLOROETHANE/NITROGEN	2%C2H3Cl3/N2	0506
2%TRIMETHYLBORANE/HYDROGEN	2%TMB/H2	1047
2%TRIMETHOXYBORINE/HYDROGEN	2%(CH3O)3B/H2	0966
2.5%DIBORANE/HYDROGEN	2.5%B2H6/H2	0825
2.5%ETHYLENE/HELIUM	2.5%C2H4/He	0922
2.5%METHANE/AIR	2.5%CH4/Air	0826
2.5%OXYGEN/5%CARBON DIOXIDE/NITROGEN	2.5%O2/5%CO2/N2	0866
2.5%OXYGEN/NITROGEN	2.5%O2/N2	0959
2.7%ETHYLENE/HELIUM	2.7%C2H4/He	0897
2.7%ETHYLENE/HYDROGEN	2.7%C2H4/H2	0956
2.9%HYDROGEN/KRYPTON	2.9%H2/Kr	1045
3%AMMONIA/NITROGEN	3%NH3/N2	0831
3%ARSINE/ARGON	3%AsH3/Ar	0688
3%ARSINE/HYDROGEN	3%AsH3/H2	0665
3%BORON TRICHLORIDE/HYDROGEN	3%BCl3/H2	0832
3%BORON TRICHLORIDE/NITROGEN	3%BCl3/N2	0991
3%DIBORANE/5%SILANE/NITROGEN	3%B2H6/5%SiH4/N2	0659
3%DIBORANE/HYDROGEN	3%B2H6/H2	0657

<i>Mixed Gas Name</i>	<i>Symbol</i>	<i>Code</i>
3%DIBORANE/NITROGEN	3%B <sub>2</sub> H <sub>6</sub> /N <sub>2</sub>	0595
3%ETHYLENE/HELIUM	3%C <sub>2</sub> H <sub>4</sub> /He	0878
3%HELIUM/NITROGEN	3%He/N <sub>2</sub>	0914
3%HYDROGEN SULFIDE/CARBON MONOXIDE	3%H <sub>2</sub> S/CO	0983
3%HYDROGEN SULFIDE/HYDROGEN	3%H <sub>2</sub> S/H <sub>2</sub>	0926
3%HYDROGEN/ARGON	3%H <sub>2</sub> /Ar	0833
3%HYDROGEN/HELIUM	3%H <sub>2</sub> /He	0596
3%HYDROGEN/NITROGEN	3%H <sub>2</sub> /N <sub>2</sub>	0597
3%NITROGEN/HYDROGEN	3%N <sub>2</sub> /H <sub>2</sub>	0672
3%OXYGEN/HELIUM	3%O <sub>2</sub> /He	0598
3%OZONE/AIR	3%O <sub>3</sub> /Air	0599
3%PHOSPHINE/5%SILANE/NITROGEN	3%PH <sub>3</sub> /5%SiH <sub>4</sub> /N <sub>2</sub>	0671
3%PHOSPHINE/ARGON	3%PH <sub>3</sub> /Ar	0534
3%PHOSPHINE/HELIUM	3%PH <sub>3</sub> /He	0834
3%PHOSPHINE/NITROGEN	3%PH <sub>3</sub> /N <sub>2</sub>	0600
3%PHOSPHINE/SILANE	3%PH <sub>3</sub> /SiH <sub>4</sub>	0601
3%PROPANE/HYDROGEN	3%C <sub>3</sub> H <sub>8</sub> /H <sub>2</sub>	0872
3%SILANE/HELIUM	3%SiH <sub>4</sub> /He	0602
3%SILANE/HYDROGEN	3%SiH <sub>4</sub> /H <sub>2</sub>	0870
3%TRIMETHYLBORON/SILANE	3%B(CH <sub>3</sub> ) <sub>3</sub> /SiH <sub>4</sub>	0971
3.5% ARGON/96.5%NEON	3.5%Ar/96.5%Ne	1022
3.5%CARBON DIOXIDE/HELIUM	3.5%CO <sub>2</sub> /He	0835
3.5%HYDROGEN/NITROGEN	3.5%H <sub>2</sub> /N <sub>2</sub>	0768
3.9%HYDROGEN/NITROGEN	3.9%H <sub>2</sub> /N <sub>2</sub>	0930
4%DIBORANE/NITROGEN	4%B <sub>2</sub> H <sub>6</sub> /N <sub>2</sub>	0605
4%GERMANE/HYDROGEN	4%GeH <sub>4</sub> /H <sub>2</sub>	0911
4%HELIUM/NITROGEN	4%He/N <sub>2</sub>	0738
4%HELIUM/HYDROGEN	4%He/H <sub>2</sub>	0977
4%HYDROGEN/ARGON	4%H <sub>2</sub> /Ar	0700
4%HYDROGEN/HELIUM	4%H <sub>2</sub> /He	0606
4%HYDROGEN/NITROGEN	4%H <sub>2</sub> /N <sub>2</sub>	0607
4%METHANE/ARGON	4%CH <sub>4</sub> /Ar	0976
4%MONOMETHYLSILANE/ARGON	4%SiH <sub>3</sub> (CH <sub>3</sub> )/Ar	0981
4%NITROGEN/HYDROGEN	4%N <sub>2</sub> /H <sub>2</sub>	0608
4%OXYGEN/ARGON	4%O <sub>2</sub> /Ar	0974
4%OXYGEN/CARBON TETRAFLUORIDE(FREON-14)	4%O <sub>2</sub> /CF <sub>4</sub>	0609
4%OXYGEN/NITROGEN	4%O <sub>2</sub> /N <sub>2</sub>	0921
4%PHOSPHINE/ARGON	4%PH <sub>3</sub> /Ar	0691
4%PHOSPHINE/HELIUM	4%PH <sub>3</sub> /He	0610
4%PHOSPHINE/HYDROGEN	4%PH <sub>3</sub> /H <sub>2</sub>	1013
4%PHOSPHINE/NITROGEN	4%PH <sub>3</sub> /N <sub>2</sub>	0535
4%PHOSPHINE/SILANE	4%PH <sub>3</sub> /SiH <sub>4</sub>	0611

<i>Mixed Gas Name</i>	<i>Symbol</i>	<i>Code</i>
4% SILANE/NITROGEN	4% SiH <sub>4</sub> /N <sub>2</sub>	0842
4% TETRAFLUOROETHANE (FREON-134A)/44% PENTAFLUOROETHANE (FREON-125)/ETHANE, 1,1,1-TRIFLUORO-(HFC-143a)	4% C <sub>2</sub> H <sub>2</sub> F <sub>4</sub> /44% C <sub>2</sub> H <sub>2</sub> F <sub>5</sub> /C <sub>2</sub> H <sub>3</sub> F <sub>3</sub>	0884
4.5% HYDROGEN/HELIUM	4.5% H <sub>2</sub> /He	0957
4.5% HYDROGEN/NITROGEN	4.5% H <sub>2</sub> /N <sub>2</sub>	0913
4.5% HYDROGEN CHLORIDE/0.9% DIHYDROGEN/NEON BALANCE	4.5% HCl/0.9% H <sub>2</sub> /Ne balance	1042
4.5% PHOSPHINE/NITROGEN	4.5% PH <sub>3</sub> /N <sub>2</sub>	0528
4.6% SULFUR DIOXIDE/NITROGEN	4.6% SO <sub>2</sub> /N <sub>2</sub>	0906
5% 1,3-BUTADIENE/95% HELIUM	5% C <sub>4</sub> H <sub>6</sub> /95% He	1003
5% ACETONE/NITROGEN	5% C <sub>3</sub> H <sub>6</sub> O-m)/N <sub>2</sub>	0711
5% ACETYLENE/ARGON	5% C <sub>2</sub> H <sub>2</sub> /Ar	1019
5% AMMONIA/NITROGEN	5% NH <sub>3</sub> /N <sub>2</sub>	0843
5% ARGON/NITROGEN	5% Ar/N <sub>2</sub>	1001
5% ARSINE/HYDROGEN	5% AsH <sub>3</sub> /H <sub>2</sub>	0614
5% BENZENE/NITROGEN	5% C <sub>6</sub> H <sub>6</sub> /N <sub>2</sub>	0712
5% BORON TRICHLORIDE/HYDROGEN	5% BCl <sub>3</sub> /H <sub>2</sub>	0616
5% BORON TRIFLUORIDE/HELIUM	5% BF <sub>3</sub> /He	0776
5% CARBON DIOXIDE/95% ARGON	5% CO <sub>2</sub> /95% Ar	1052
5% CARBON DIOXIDE/10% OXYGEN/NITROGEN	5% CO <sub>2</sub> /10% O <sub>2</sub> /N <sub>2</sub>	0867
5% CARBON DIOXIDE/15% OXYGEN/NITROGEN	5% CO <sub>2</sub> /15% O <sub>2</sub> /N <sub>2</sub>	0734
5% CARBON DIOXIDE/5% OXYGEN/NITROGEN	5% CO <sub>2</sub> /5% O <sub>2</sub> /N <sub>2</sub>	0865
5% CARBON DIOXIDE/NITROGEN	5% CO <sub>2</sub> /N <sub>2</sub>	0618
5% CARBON MONOXIDE/ARGON	5% CO/Ar	0844
5% CARBON MONOXIDE/NITROGEN	5% CO/N <sub>2</sub>	0862
5% CARBON TETRAFLUORIDE(FREON-14)/ARGON	5% CF <sub>4</sub> /Ar	0969
5% CHLORINE/HELIUM	5% Cl <sub>2</sub> /He	0719
5% DIBORANE/5% SILANE/NITROGEN	5% B <sub>2</sub> H <sub>6</sub> /5% SiH <sub>4</sub> /N <sub>2</sub>	0876
5% DIBORANE/ARGON	5% B <sub>2</sub> H <sub>6</sub> /Ar	0615
5% DIBORANE/HELIUM	5% B <sub>2</sub> H <sub>6</sub> /He	0766
5% DIBORANE/HYDROGEN	5% B <sub>2</sub> H <sub>6</sub> /H <sub>2</sub>	0722
5% DIBORANE/NITROGEN	5% B <sub>2</sub> H <sub>6</sub> /N <sub>2</sub>	0654
5% DIBORANE/SILANE	5% B <sub>2</sub> H <sub>6</sub> /SiH <sub>4</sub>	0683
5% DICHLOROSILANE/ARGON	5% SiH <sub>2</sub> Cl <sub>2</sub> /Ar	0628
5% ETHENE/NITROGEN	5% C <sub>2</sub> H <sub>4</sub> /N <sub>2</sub>	0845
5% FLUORINE/ARGON	5% F <sub>2</sub> /Ar	0761
5% FLUORINE/HELIUM	5% F <sub>2</sub> /He	0720
5% FLUORINE/NITROGEN	5% F <sub>2</sub> /N <sub>2</sub>	0732
5% FLUORINE/NITROGEN TRIFLUORIDE	5% F <sub>2</sub> /NF <sub>3</sub>	0669
5% GERMANE/HELIUM	5% GeH <sub>4</sub> /He	0765
5% GERMANE/HYDROGEN	5% GeH <sub>4</sub> /H <sub>2</sub>	0932
5% HELIUM/ARGON	5% He/Ar	0846
5% HELIUM/HYDROGEN	5% He/H <sub>2</sub>	0909

<i>Mixed Gas Name</i>	<i>Symbol</i>	<i>Code</i>
5% HELIUM/NITROGEN	5% He/N <sub>2</sub>	0752
5% HEXAFLUOROETHANE/OXYGEN	5% C <sub>2</sub> F <sub>6</sub> /O <sub>2</sub>	0785
5% HYDROGEN CHLORIDE/ARGON	5% HCl/Ar	1020
5% HYDROGEN CHLORIDE/1% DIHYDROGEN/NEON BALANCE	5% HCl/1% H <sub>2</sub> /Ne balance	1041
5% HYDROGEN CHLORIDE/NITROGEN	5% HCl/N <sub>2</sub>	0726
5% HYDROGEN FLUORIDE/NITROGEN	5% HF/N <sub>2</sub>	0982
5% HYDROGEN SELENIDE/HYDROGEN	5% H <sub>2</sub> Se/H <sub>2</sub>	0510
5% HYDROGEN/ARGON	5% H <sub>2</sub> /Ar	0619
5% HYDROGEN/HELIUM	5% H <sub>2</sub> /He	0762
5% HYDROGEN/NITROGEN	5% H <sub>2</sub> /N <sub>2</sub>	0542
5% METHANE/ARGON	5% CH <sub>4</sub> /95% Ar	1017
5% METHANE/HELIUM	5% CH <sub>4</sub> /He	0699
5% METHYL CHLORIDE/NITROGEN	5% CH <sub>3</sub> Cl/N <sub>2</sub>	1037
5% METHYLSILANE/HYDROGEN	5% CH <sub>6</sub> Si/H <sub>2</sub>	0928
5% NITROGEN/HYDROGEN	5% N <sub>2</sub> /H <sub>2</sub>	0621
5% NITROGEN/PHOSPHINE	5% N <sub>2</sub> /PH <sub>3</sub>	0622
5% NITROGEN DIOXIDE/NITROGEN	5% NO <sub>2</sub> /N <sub>2</sub>	0972
5% OXYGEN/ARGON	5% O <sub>2</sub> /Ar	0623
5% OXYGEN/CARBON TETRAFLUORIDE	5% O <sub>2</sub> /CF <sub>4</sub>	0753
5% OXYGEN/HELIUM	5% O <sub>2</sub> /He	0779
5% OXYGEN/NITROGEN	5% O <sub>2</sub> /N <sub>2</sub>	0960
5% OZONE/OXYGEN	5% O <sub>3</sub> /O <sub>2</sub>	0624
5% PHOSPHINE/5% SILANE/NITROGEN	5% PH <sub>3</sub> /5% SiH <sub>4</sub> /N <sub>2</sub>	0625
5% PHOSPHINE/ARGON	5% PH <sub>3</sub> /Ar	0626
5% PHOSPHINE/HELIUM	5% PH <sub>3</sub> /He	0693
5% PHOSPHINE/HYDROGEN	5% PH <sub>3</sub> /H <sub>2</sub>	0709
5% PHOSPHINE/NITROGEN	5% PH <sub>3</sub> /N <sub>2</sub>	0501
5% PHOSPHINE/SILANE	5% PH <sub>3</sub> /SiH <sub>4</sub>	0627
5% PHOSPHORUS PENTAFLUORIDE/HELIUM	5% PF <sub>5</sub> /He	0777
5% PROPANE/95% HELIUM	5% C <sub>3</sub> H <sub>8</sub> /95% He	1015
5% PROPANE/HYDROGEN	5% C <sub>3</sub> H <sub>8</sub> /H <sub>2</sub>	0617
5% PROPYLENE/NITROGEN	5% C <sub>3</sub> H <sub>6</sub> /N <sub>2</sub>	0995
5% SILANE/ARGON	5% SiH <sub>4</sub> /Ar	0629
5% SILANE/HELIUM	5% SiH <sub>4</sub> /He	0780
5% SILANE/HYDROGEN	5% SiH <sub>4</sub> /H <sub>2</sub>	0847
5% SILANE/NITROGEN	5% SiH <sub>4</sub> /N <sub>2</sub>	0773
5% SULFUR DIOXIDE/HELIUM	5% SO <sub>2</sub> /He	0763
5% TETRAETHYLORTHOSILICATE(TEOS)/NITROGEN	5% Si(C <sub>2</sub> H <sub>5</sub> O) <sub>4</sub> /N <sub>2</sub>	0523
5% TRICHLOROSILANE/HYDROGEN	5% SiHCl <sub>3</sub> /H <sub>2</sub>	0679
5% TRIETHYLANTIMONY(TESb)/HYDROGEN	5% (C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> Sb/H <sub>2</sub>	0524
5% WATER VAPOR/AIR	5% H <sub>2</sub> O/Air	0567
5% XENON/95% HYDROGEN	5% Xe/95% H <sub>2</sub>	1006

<i>Mixed Gas Name</i>	<i>Symbol</i>	<i>Code</i>
5.5% ARSENIC TRICHLORIDE/HYDROGEN	5.5% AsCl <sub>3</sub> /H <sub>2</sub>	0890
6% CARBON DIOXIDE/NITROGEN	6% CO <sub>2</sub> /N <sub>2</sub>	0854
6% DIBORANE/NITROGEN	6% B <sub>2</sub> H <sub>6</sub> /N <sub>2</sub>	0927
6% HYDROGEN CHLORIDE/OXYGEN	6% HCl/O <sub>2</sub>	0855
6% HYDROGEN/NITROGEN	6% H <sub>2</sub> /N <sub>2</sub>	0856
6% OZONE/OXYGEN	6% O <sub>3</sub> /O <sub>2</sub>	0857
6.5% DIBORANE/15% SILANE/NITROGEN	6.5% B <sub>2</sub> H <sub>6</sub> /15% SiH <sub>4</sub> /N <sub>2</sub>	0634
6.5% DIBORANE/HYDROGEN	6.5% B <sub>2</sub> H <sub>6</sub> /H <sub>2</sub>	0635
6.5% DIBORANE/NITROGEN	6.5% B <sub>2</sub> H <sub>6</sub> /N <sub>2</sub>	0858
7% ARSINE/HYDROGEN	7% AsH <sub>3</sub> /H <sub>2</sub>	0951
7% CARBON DIOXIDE/10% HYDROGEN/20% CARBON MONOXIDE/ NITROGEN	7% CO <sub>2</sub> /10% H <sub>2</sub> /20% CO/N <sub>2</sub>	0748
7% HYDROGEN/ARGON	7% H <sub>2</sub> /Ar	0859
7% HYDROGEN/HELIUM	7% H <sub>2</sub> /He	0883
7% METHYLENE CHLORIDE/3% OZONE/AIR	7% CH <sub>2</sub> Cl <sub>2</sub> /3% O <sub>3</sub> /Air	0685
7% OZONE/OXYGEN	7% O <sub>3</sub> /O <sub>2</sub>	0901
7.5% PHOSPHINE/SILANE	7.5% PH <sub>3</sub> /SiH <sub>4</sub>	0676
8% CARBON TETRAFLUORIDE(FREON-14)/OXYGEN	8% CF <sub>4</sub> /O <sub>2</sub>	0574
8% DIBORANE/ARGON	8% B <sub>2</sub> H <sub>6</sub> /Ar	0860
8% DIBORANE/NITROGEN	8% B <sub>2</sub> H <sub>6</sub> /N <sub>2</sub>	0861
8% GERMANE/HYDROGEN	8% GeH <sub>4</sub> /H <sub>2</sub>	0664
8% HYDROGEN/ARGON	8% H <sub>2</sub> /Ar	0692
8% HYDROGEN/NITROGEN	8% H <sub>2</sub> /N <sub>2</sub>	0727
8% OXYGEN/CARBON TETRAFLUORIDE(FREON-14)	8% O <sub>2</sub> /CF <sub>4</sub>	0613
8% OZONE/OXYGEN	8% O <sub>3</sub> /O <sub>2</sub>	0639
8% PHOSPHINE/HELIUM	8% PH <sub>3</sub> /He	0667
8% PHOSPHINE/NITROGEN	8% PH <sub>3</sub> /N <sub>2</sub>	0620
8% PHOSPHINE/SILANE	8% PH <sub>3</sub> /SiH <sub>4</sub>	0636
8% PHOSPHINE/SILANE	8% PH <sub>3</sub> /SiH <sub>4</sub>	0636
8% PROPANE/10% AMMONIA/AIR	8% C <sub>3</sub> H <sub>8</sub> /10% NH <sub>3</sub> /Air	0714
8.2% PROPANE/9.8% AMMONIA/AIR	8.2% C <sub>3</sub> H <sub>8</sub> /9.8% NH <sub>3</sub> /Air	0715
8.6% ARGON/NITROGEN TRIFLUORIDE	8.6% Ar/NF <sub>3</sub>	0706
9% NITRIC OXIDE/41% NITROGEN/HYDROGEN	9% NO/41% N <sub>2</sub> /H <sub>2</sub>	0993
9% TETRAKIS(ETHYLMETHYLAMIDO)HAFNIUM/N <sub>2</sub>	9% Hf(N((C <sub>2</sub> H <sub>5</sub> )(CH <sub>3</sub> )) <sub>4</sub> /N <sub>2</sub>	0940
9.4% ARGON/NITROGEN TRIFLUORIDE	9.4% Ar/NF <sub>3</sub>	0705
10% AMMONIA/NITROGEN	10% NH <sub>3</sub> /N <sub>2</sub>	0668
10% ARSINE/HYDROGEN	10% AsH <sub>3</sub> /H <sub>2</sub>	0504
10% ARSINE/NITROGEN	10% AsH <sub>3</sub> /N <sub>2</sub>	0907
10% CARBON DIOXIDE/10% OXYGEN/NITROGEN	10% CO <sub>2</sub> /10% O <sub>2</sub> /N <sub>2</sub>	0735
10% CARBON DIOXIDE/90% HELIUM	10% CO <sub>2</sub> /90% He	1010
10% CARBON DIOXIDE/ARGON	10% CO <sub>2</sub> /Ar	0813
10% CARBON DIOXIDE/NITROGEN	10% CO <sub>2</sub> /N <sub>2</sub>	0783

<i>Mixed Gas Name</i>	<i>Symbol</i>	<i>Code</i>
10% CARBON MONOXIDE/90% HELIUM	10% CO/90% He	1011
10% CARBON MONOXIDE/AIR	10% CO/Air	0730
10% CARBON MONOXIDE/CARBON DIOXIDE	10% CO/CO <sub>2</sub>	0729
10% CHLORINE/90% NITROGEN	10% CL <sub>2</sub> /90% N <sub>2</sub>	1004
10% CYCLOPROPANE/HELIUM	10% C <sub>3</sub> H <sub>6</sub> -a/He	0716
10% DIBORANE/ARGON	10% B <sub>2</sub> H <sub>6</sub> /Ar	0881
10% DIBORANE/HELIUM	10% B <sub>2</sub> H <sub>6</sub> /He	0939
10% DIBORANE/HYDROGEN	10% B <sub>2</sub> H <sub>6</sub> /H <sub>2</sub>	0701
10% DIBORANE/NITROGEN	10% B <sub>2</sub> H <sub>6</sub> /N <sub>2</sub>	0666
10% DISILANE/ARGON	10% Si <sub>2</sub> H <sub>6</sub> /Ar	0670
10% DISILANE/HELIUM	10% Si <sub>2</sub> H <sub>6</sub> /He	0647
10% DISILANE/HYDROGEN	10% Si <sub>2</sub> H <sub>6</sub> /H <sub>2</sub>	0731
10% ETHYLENE/HELIUM	10% C <sub>2</sub> H <sub>4</sub> /He	0718
10% FLUORINE/ARGON	10% F <sub>2</sub> /Ar	0754
10% FLUORINE/HELIUM	10% F <sub>2</sub> /He	0566
10% FLUORINE/NITROGEN	10% F <sub>2</sub> /N <sub>2</sub>	0759
10% FLUORINE/OXYGEN	10% F <sub>2</sub> /O <sub>2</sub>	0814
10% GERMANE/ARGON	10% GeH <sub>4</sub> /Ar	0698
10% GERMANE/HELIUM	10% GeH <sub>4</sub> /He	0704
10% GERMANE/HYDROGEN	10% GeH <sub>4</sub> /H <sub>2</sub>	0509
10% HELIUM/HYDROGEN	10% He/H <sub>2</sub>	0749
10% HELIUM/NITROGEN	10% He/N <sub>2</sub>	0936
10% HYDROGEN CHLORIDE/ARGON	10% HCl/Ar	0947
10% HYDROGEN SELENIDE/HYDROGEN	10% H <sub>2</sub> Se/H <sub>2</sub>	0511
10% HYDROGEN SULFIDE/HYDROGEN	10% H <sub>2</sub> S/H <sub>2</sub>	0942
10% HYDROGEN/ARGON	10% H <sub>2</sub> /Ar	0955
10% HYDROGEN/HELIUM	10% H <sub>2</sub> /He	0950
10% HYDROGEN/NITROGEN	10% H <sub>2</sub> /N <sub>2</sub>	0532
10% METHANE/ARGON	10% CH <sub>4</sub> /Ar	0710
10% METHANE/HELIUM	10% CH <sub>4</sub> /He	0744
10% METHANE/HYDROGEN	10% CH <sub>4</sub> /H <sub>2</sub>	0815
10% METHANE/NITROGEN	10% CH <sub>4</sub> /N <sub>2</sub>	0929
10% METHYLSILANE/HYDROGEN	10% CH <sub>6</sub> Si/H <sub>2</sub>	0689
10% METHYLTRICHLOROSILANE/HYDROGEN	10% CH <sub>3</sub> Cl <sub>3</sub> Si/H <sub>2</sub>	0918
10% NEON/HELIUM	10% Ne/He	1044
10% NITRIC OXIDE/90% HELIUM	10% NO/90% He	1012
10% NITRIC OXIDE/NITROGEN	10% NO/N <sub>2</sub>	0924
10% NITROGEN TRIFLUORIDE/OXYGEN	10% NF <sub>3</sub> /O <sub>2</sub>	0570
10% NITROGEN/ARGON	10% N <sub>2</sub> /Ar	0576
10% OXYGEN/30% CARBON DIOXIDE/ARGON	10% O <sub>2</sub> /30% CO <sub>2</sub> /Ar	0816
10% OXYGEN/HELIUM	10% O <sub>2</sub> /He	0649
10% OXYGEN/NITROGEN	10% O <sub>2</sub> /N <sub>2</sub>	0961



<i>Mixed Gas Name</i>	<i>Symbol</i>	<i>Code</i>
10% OZONE/NITROGEN	10% O <sub>3</sub> /N <sub>2</sub>	0817
10% OZONE/OXYGEN	10% O <sub>3</sub> /O <sub>2</sub>	0571
10% PHOSPHINE/ARGON	10% PH <sub>3</sub> /Ar	0538
10% PHOSPHINE/HELIUM	10% PH <sub>3</sub> /He	0674
10% PHOSPHINE/HYDROGEN	10% PH <sub>3</sub> /H <sub>2</sub>	0516
10% PHOSPHINE/NITROGEN	10% PH <sub>3</sub> /N <sub>2</sub>	0527
10% PHOSPHINE/SILANE	10% PH <sub>3</sub> /SiH <sub>4</sub>	0572
10% PROPYLENE/NITROGEN	10% C <sub>3</sub> H <sub>6</sub> /N <sub>2</sub>	0925
10% SILANE/ARGON	10% SiH <sub>4</sub> /Ar	0565
10% SILANE/HELIUM	10% SiH <sub>4</sub> /He	0573
10% SILANE/HYDROGEN	10% SiH <sub>4</sub> /H <sub>2</sub>	0575
10% SILANE/NITROGEN	10% SiH <sub>4</sub> /N <sub>2</sub>	0646
10% SULFUR DIOXIDE/NITROGEN	10% SO <sub>2</sub> /N <sub>2</sub>	0818
10% TRIMETHYSILANE/HYDROGEN	10% (CH <sub>3</sub> ) <sub>3</sub> SiH/H <sub>2</sub>	0739
10% WATER VAPOR/NITROGEN	10% H <sub>2</sub> O/N <sub>2</sub>	0568
11% METHANE/22% CARBON MONOXIDE/23% CARBON DIOXIDE/ BALANCE HYDROGEN	11% CH <sub>4</sub> /22% CO/23% CO <sub>2</sub> / balance H <sub>2</sub>	1023
11% OZONE/OXYGEN	11% O <sub>3</sub> /O <sub>2</sub>	0868
12% CARBON DIOXIDE/AIR	12% CO <sub>2</sub> /Air	0937
12% HYDROGEN/NITROGEN	12% H <sub>2</sub> /N <sub>2</sub>	0819
12% OZONE/OXYGEN	12% O <sub>3</sub> /O <sub>2</sub>	0651
12% TRISILANE/HYDROGEN	12% Si <sub>3</sub> H <sub>8</sub> /H <sub>2</sub>	0931
13% DISELENIUM DICHLORIDE/HYDROGEN	13% Se <sub>2</sub> Cl <sub>2</sub> /H <sub>2</sub>	0894
13% HYDROGEN CHLORIDE/1.32% XENON/NEON	13% HCl/1.32% Xe/Ne	0512
13% HYDROGEN/NITROGEN	13% H <sub>2</sub> /N <sub>2</sub>	0643
13% OZONE/OXYGEN	13% O <sub>3</sub> /O <sub>2</sub>	1026
13% TRICHLOROSILANE/HYDROGEN	13% SiHCl <sub>3</sub> /H <sub>2</sub>	0682
14% SiH <sub>2</sub> Cl <sub>2</sub> /20% SiH <sub>4</sub> /33% HCl/N <sub>2</sub>	14% SiH <sub>2</sub> Cl <sub>2</sub> /20% SiH <sub>4</sub> / 33% HCl/N <sub>2</sub>	0954
15% ARGON/PHOSPHINE	15% Ar/PH <sub>3</sub>	0578
15% ARSINE/HYDROGEN	15% AsH <sub>3</sub> /H <sub>2</sub>	0579
15% CARBON DIOXIDE/85% HELIUM	15% CO <sub>2</sub> /85% He	1016
15% CARBON DIOXIDE/NITROGEN	15% CO <sub>2</sub> /N <sub>2</sub>	0778
15% DIBORANE/ARGON	15% B <sub>2</sub> H <sub>6</sub> /Ar	0697
15% DIBORANE/HYDROGEN	15% B <sub>2</sub> H <sub>6</sub> /H <sub>2</sub>	0820
15% DIBORANE/NITROGEN	15% B <sub>2</sub> H <sub>6</sub> /N <sub>2</sub>	0580
15% GERMANIUM TETRACHLORIDE/OXYGEN	15% GeCl <sub>4</sub> /O <sub>2</sub>	0787
15% HYDROGEN/ARGON	15% H <sub>2</sub> /Ar	0694
15% HYDROGEN/DIBORANE	15% H <sub>2</sub> /B <sub>2</sub> H <sub>6</sub>	0953
15% HYDROGEN/NITROGEN	15% H <sub>2</sub> /N <sub>2</sub>	0545
15% HYDROGEN SELENIDE/ARGON	20% GeH <sub>4</sub> /H <sub>2</sub>	0975
15% NITRIC OXIDE/NITROGEN	15% NO/N <sub>2</sub>	0652
15% NITROGEN/ARGON	15% N <sub>2</sub> /Ar	1025

<i>Mixed Gas Name</i>	<i>Symbol</i>	<i>Code</i>
15% OXYGEN/ARGON	15% O <sub>2</sub> /Ar	1048
15% OZONE/OXYGEN	15% O <sub>3</sub> /O <sub>2</sub>	0641
15% PHOSPHINE/15% SILANE/NITROGEN	15% PH <sub>3</sub> /15% SiH <sub>4</sub> /N <sub>2</sub>	0581
15% PHOSPHINE/ARGON	15% PH <sub>3</sub> /Ar	0582
15% PHOSPHINE/HYDROGEN	15% PH <sub>3</sub> /H <sub>2</sub>	0583
15% PHOSPHINE/NITROGEN	15% PH <sub>3</sub> /N <sub>2</sub>	0500
15% PHOSPHINE/SILANE	15% PH <sub>3</sub> /SiH <sub>4</sub>	0584
15% SILANE/ARGON	15% SiH <sub>4</sub> /Ar	0821
15% SILANE/HELIUM	15% SiH <sub>4</sub> /He	0864
15% SILANE/NITROGEN	15% SiH <sub>4</sub> /N <sub>2</sub>	0519
15% SULFUR DIOXIDE/NITROGEN	15% SO <sub>2</sub> /N <sub>2</sub>	0967
15% XENON/85% NITROGEN	15% Xe/85% N <sub>2</sub>	1005
16% CARBON DIOXIDE/NITROGEN	16% CO <sub>2</sub> /N <sub>2</sub>	0543
17% METHANE/CARBON DIOXIDE	17% CH <sub>4</sub> /83% CO <sub>2</sub>	0958
17% OXYGEN/CARBON TETRAFLUORIDE(FREON-14)	17% O <sub>2</sub> /CF <sub>4</sub>	0585
17.4% GERMANIUM TETRACHLORIDE/HYDROGEN	17.4% GeCl <sub>4</sub> /H <sub>2</sub>	0891
18% NITRIC OXIDE/NITROGEN	18% NO/N <sub>2</sub>	0992
18.4% PHOSPHORUS OXYCHLORIDE/OXYGEN	18.4% POCl <sub>3</sub> /O <sub>2</sub>	0893
20% MONO METHYL SILANE/H <sub>2</sub>	20% SiH <sub>3</sub> (CH <sub>3</sub> )/H <sub>2</sub>	0962
20% ARGON/SILANE	20% Ar/SiH <sub>4</sub>	0540
20% ARSINE/HYDROGEN	20% AsH <sub>3</sub> /H <sub>2</sub>	0590
20% CARBON DIOXIDE/HYDROGEN	20% CO <sub>2</sub> /H <sub>2</sub>	0507
20% CARBON TETRAFLUORIDE/NITROGEN	20% CF <sub>4</sub> /N <sub>2</sub>	0728
20% DIBORANE/HELIUM	20% B <sub>2</sub> H <sub>6</sub> /He	0908
20% DIBORANE/SILANE	20% B <sub>2</sub> H <sub>6</sub> /SiH <sub>4</sub>	0591
20% DICHLOROSILANE/HYDROGEN	20% SiH <sub>2</sub> Cl <sub>2</sub> /H <sub>2</sub>	0988
20% DIMETHYL ETHER/80% ARGON	20% C <sub>2</sub> H <sub>6</sub> O/80% Ar	1009
20% DIMETHYL ETHER/80% HELIUM	20% C <sub>2</sub> H <sub>6</sub> O/80% He	1008
20% DISILANE/HELIUM	20% Si <sub>2</sub> H <sub>6</sub> /He	0648
20% DISILANE/HYDROGEN	20% Si <sub>2</sub> H <sub>6</sub> /H <sub>2</sub>	0713
20% FLUORINE/80% ARGON	20% F <sub>2</sub> /80% Ar	0980
20% FLUORINE/HELIUM	20% F <sub>2</sub> /He	0677
20% FLUORINE/N <sub>2</sub>	20% F <sub>2</sub> /N <sub>2</sub>	0963
20% FLUOROFORM/OXYGEN	20% CHF <sub>3</sub> /O <sub>2</sub>	0827
20% GERMANE/HYDROGEN	20% GeH <sub>4</sub> /H <sub>2</sub>	0978
20% HELIUM/OXYGEN	20% He/O <sub>2</sub>	0687
20% HYDROGEN/ARGON	20% H <sub>2</sub> /Ar	0994
20% HYDROGEN/20% CARBON MONOXIDE/ARGON	20% H <sub>2</sub> /20% CO/Ar	0920
20% HYDROGEN/20% CARBON MONOXIDE/NITROGEN	20% H <sub>2</sub> /20% CO/N <sub>2</sub>	0919
20% HYDROGEN/CARBON MONOXIDE	20% H <sub>2</sub> /CO	0592
20% NITROGEN/HYDROGEN	20% N <sub>2</sub> /H <sub>2</sub>	0880
20% HYDROGEN SULFIDE/20% CARBON DIOXIDE/NITROGEN	20% H <sub>2</sub> S/20% CO <sub>2</sub> /N <sub>2</sub>	0987

<i>Mixed Gas Name</i>	<i>Symbol</i>	<i>Code</i>
20% OXYGEN/ARGON	20% O <sub>2</sub> /Ar	0875
20% OXYGEN/CARBON TETRAFLUORIDE(FREON-14)	20% O <sub>2</sub> /CF <sub>4</sub>	0513
20% OXYGEN/HELIUM	20% O <sub>2</sub> /He	0536
20% OXYGEN/NITROGEN	20% O <sub>2</sub> /N <sub>2</sub>	0736
20% OZONE/NITROGEN	20% O <sub>3</sub> /N <sub>2</sub>	0723
20% OZONE/OXYGEN	20% O <sub>3</sub> /O <sub>2</sub>	0869
20% PHOSPHINE/ARGON	20% PH <sub>3</sub> /Ar	0948
20% PHOSPHINE/HYDROGEN	20% PH <sub>3</sub> /H <sub>2</sub>	0593
20% PHOSPHINE/NITROGEN	20% PH <sub>3</sub> /N <sub>2</sub>	0767
20% PHOSPHINE/SILANE	20% PH <sub>3</sub> /SiH <sub>4</sub>	0530
20% SILANE/ARGON	20% SiH <sub>4</sub> /Ar	0541
20% SILANE/HELIUM	20% SiH <sub>4</sub> /He	0529
20% SILANE/HYDROGEN	20% SiH <sub>4</sub> /H <sub>2</sub>	0577
20% SILANE/NITROGEN	20% SiH <sub>4</sub> /N <sub>2</sub>	0502
20% TRICHLOROSILANE/HYDROGEN	20% SiHCl <sub>3</sub> /H <sub>2</sub>	0522
20% TRIMETHYLALUMINUM(TMAI)/HYDROGEN	20% (CH <sub>3</sub> ) <sub>3</sub> Al/H <sub>2</sub>	0525
21% OXYGEN/NITROGEN	21% O <sub>2</sub> /N <sub>2</sub>	0594
21% SILANE/4% PHOSPHINE/ARGON	21% SiH <sub>4</sub> /4% PH <sub>3</sub> /Ar	0520
21.6% CARBON DIOXIDE/32.4% NITROGEN/HYDROGEN	21.6% CO <sub>2</sub> /32.4% N <sub>2</sub> /H <sub>2</sub>	0882
22% OXYGEN/HELIUM	22% O <sub>2</sub> /He	0828
22% PHOSPHINE/SILANE	22% PH <sub>3</sub> /SiH <sub>4</sub>	0678
25% AMMONIA/HYDROGEN	25% NH <sub>3</sub> /H <sub>2</sub>	0638
25% CARBON MONOXIDE/HYDROGEN	25% CO/H <sub>2</sub>	0829
25% FLUORINE/ARGON	25% F <sub>2</sub> /Ar	0755
25% FLUORINE/HELIUM	25% F <sub>2</sub> /He	0758
25% FLUORINE/NITROGEN	25% F <sub>2</sub> /N <sub>2</sub>	0746
25% HELIUM/ARGON	25% He/Ar	0737
25% HEXAFLUROETHANE/OXYGEN	25% C <sub>2</sub> F <sub>6</sub> /O <sub>2</sub>	0770
25% HYDROGEN SELENIDE/75% ARGON	25% H <sub>2</sub> SE/75% Ar	0997
25% HYDROGEN SULFIDE/75% ARGON	25% H <sub>2</sub> S/75% Ar	0996
25% PHOSPHINE/NITROGEN	25% PH <sub>3</sub> /N <sub>2</sub>	1002
25% PHOSPHINE/SILANE	25% PH <sub>3</sub> /SiH <sub>4</sub>	0517
25% PROPANE/PROPYLENE	25% C <sub>3</sub> H <sub>8</sub> /C <sub>3</sub> H <sub>6</sub>	0830
25% TRICHLOROSILANE/HYDROGEN	25% SiHCl <sub>3</sub> /H <sub>2</sub>	0680
30% CARBON DIOXIDE/AIR	30% CO <sub>2</sub> /Air	0508
30% ETHYLENE/HELIUM	30% C <sub>2</sub> H <sub>4</sub> /He	0946
30% FLUORINE/NITROGEN	30% F <sub>2</sub> /N <sub>2</sub>	1024
30% FLUORINE/40% ARGON/30% NITROGEN	30% F <sub>2</sub> /40% Ar/30% N <sub>2</sub>	1050
30% GERMANE/ARGON	30% GeH <sub>4</sub> /Ar	0837
30% HELIUM/OXYGEN	30% He/O <sub>2</sub>	0603
30% ISOBUTANE/HELIUM	30% CH(CH <sub>3</sub> ) <sub>3</sub> /He	0836
30% NITROGEN TRIFLUORIDE/NITROGEN	30% NF <sub>3</sub> /N <sub>2</sub>	0661

<i>Mixed Gas Name</i>	<i>Symbol</i>	<i>Code</i>
30% OXYGEN/HELIUM	30% O <sub>2</sub> /He	0604
30% OXYGEN/HYDROGEN	30% O <sub>2</sub> /H <sub>2</sub>	0637
30% PHOSPHINE/SILANE	30% PH <sub>3</sub> /SiH <sub>4</sub>	0896
30% PROPANE/BUTANE	30% C <sub>3</sub> H <sub>8</sub> /C <sub>4</sub> H <sub>10</sub>	0885
30% SILANE/ARGON	30% SiH <sub>4</sub> /Ar	0838
30% SILANE/NITROGEN	30% SiH <sub>4</sub> /N <sub>2</sub>	0839
30% TRICHLOROSILANE/HYDROGEN	30% SiHCl <sub>3</sub> /H <sub>2</sub>	0877
30% TRIMETHYLSILANE/HYDROGEN	30% (CH <sub>3</sub> ) <sub>3</sub> SiH/H <sub>2</sub>	0874
32% SILICON TETRACHLORIDE/HYDROGEN	32% SiCl <sub>4</sub> /O <sub>2</sub>	0892
33.3% HYDROGEN/CARBON MONOXIDE	33.3% H <sub>2</sub> /CO	0840
35% PHOSPHINE/SILANE	35% PH <sub>3</sub> /SiH <sub>4</sub>	0841
38% SILICON TETRACHLORIDE/OXYGEN	38% SiCl <sub>4</sub> /O <sub>2</sub>	0986
40% ARGON/TUNGSTEN HEXAFLUORIDE	40% Ar/WF <sub>6</sub>	0503
40% CARBON MONOXIDE/45% ETHYLENE/15% ARGON	40% CO/45% C <sub>2</sub> H <sub>4</sub> /15% Ar	0999
40% GERMANE/ARGON	40% GeH <sub>4</sub> /Ar	0751
40% GERMANE/NITROGEN	40% GeH <sub>4</sub> /N <sub>2</sub>	0895
40% HELIUM/SILANE	40% He/SiH <sub>4</sub>	0612
40% HYDROGEN/HELIUM	40% H <sub>2</sub> /He	0725
40% HYDROGEN/NITROGEN	40% H <sub>2</sub> /N <sub>2</sub>	0943
40% NITROGEN/CARBON DIOXIDE	40% N <sub>2</sub> /CO <sub>2</sub>	0944
40% OXYGEN/HEXAFLUOROETHANE(FREON-116)	40% O <sub>2</sub> /C <sub>2</sub> F <sub>6</sub>	0505
40% OXYGEN/SULFUR HEXAFLUORIDE	40% O <sub>2</sub> /SF <sub>6</sub>	0642
40% SILANE/HELIUM	40% SiH <sub>4</sub> /He	0702
50% AMMONIA/30% HELIUM	50% NH <sub>3</sub> /50% HE	0998
50% BUTANE/ACETYLENE	50% C <sub>4</sub> H <sub>10</sub> /C <sub>2</sub> H <sub>2</sub>	0912
50% CARBON DIOXIDE/NITROGEN	50% CO <sub>2</sub> /N <sub>2</sub>	0848
50% DICHLOROMETHYLSILANE/50% HYDROGEN	50% CH <sub>3</sub> SiHCl <sub>2</sub> /50% H <sub>2</sub>	0965
50% FLUORINE/ARGON	50% F <sub>2</sub> /Ar	0756
50% FLUORINE/HELIUM	50% F <sub>2</sub> /He	0757
50% FLUORINE/NITROGEN	50% F <sub>2</sub> /N <sub>2</sub>	0760
50% FLUOROFORM/ARGON	50% CHF <sub>3</sub> /Ar	0686
50% GERMANE/ARGON	50% GeH <sub>4</sub> /Ar	0747
50% HELIUM/ARGON	50% He/Ar	0849
50% HELIUM/OXYGEN	50% He/O <sub>2</sub>	0630
50% HEXAFLUOROETHANE/OXYGEN	50% C <sub>2</sub> F <sub>6</sub> /O <sub>2</sub>	0769
50% HYDROGEN BROMIDE/HYDROGEN CHLORIDE	50% HBr/HCl	0650
50% HYDROGEN/NITROGEN	50% H <sub>2</sub> /N <sub>2</sub>	0850
50% NITROGEN DIOXIDE/AMMONIA	50% NO <sub>2</sub> /NH <sub>3</sub>	0851
50% NITROGEN/HELIUM	50% N <sub>2</sub> /He	0852
50% NITROGEN/OXYGEN	50% N <sub>2</sub> /O <sub>2</sub>	0631
50% PHOSPHINE/NITROGEN	50% PH <sub>3</sub> /N <sub>2</sub>	0518
50% PHOSPHINE/SILANE	50% PH <sub>3</sub> /SiH <sub>4</sub>	0632



<i>Mixed Gas Name</i>	<i>Symbol</i>	<i>Code</i>
50%PROPANE/NITROGEN	50%C <sub>3</sub> H <sub>8</sub> /N <sub>2</sub>	0968
50%PROPYLENE/NITROGEN	50%C <sub>3</sub> H <sub>6</sub> /N <sub>2</sub>	0917
50%SILANE/HELIUM	50%SiH <sub>4</sub> /He	0521
50%SILANE/HYDROGEN	50%SiH <sub>4</sub> /H <sub>2</sub>	0633
50%SULFUR DIOXIDE/NITRIC OXIDE	50%SO <sub>2</sub> /NO	0853
94.4% ARGON/5% HYDROGEN/0.6% CARBON DIOXIDE	94.4% Ar/5% H <sub>2</sub> /0.6% CO <sub>2</sub>	1043

## 11 Related Documents

### 11.1 Data Sheet

#### 11.1.1 Schumacher Material Safety Data Sheet, No. 48.1 JN, Revision Date 8/94<sup>16</sup>

**NOTICE:** SEMI makes no warranties or representations as to the suitability of the Standards and Safety Guidelines set forth herein for any particular application. The determination of the suitability of the Standard or Safety Guideline is solely the responsibility of the user. Users are cautioned to refer to manufacturer's instructions, product labels, product data sheets, and other relevant literature, respecting any materials or equipment mentioned herein. Standards and Safety Guidelines are subject to change without notice.

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