

Gas Name	Formula	CAS #
Acetaldehyde	C2H4O	75-07-0
Acetic Acid	C2H4O2	64-19-7
Acetic Anhydride	(CH3CO)2O	108-24-7
Acetone	(CH3)2CO	67-64-1
Acetonitrile	C2H3N	75-05-8
Acetyl Acetone	C5H8O2	123-54-6
Acetylene	C2H2	74-86-2
Acrolein	C3H4O	107-02-8
Acrylonitrile	CH2=CHCN C3H3N	107-13-1
Ammonia	NH3	7664-41-7
Arsine	AsH3	7784-42-1
Benzene	C6H6	71-43-2
Benzyl Alcohol	C7H8O	100-51-6
Bis(tertiary-butyl-amino)silane	SiH2[NH(C4H9)]2	186598-40-3
Boron Trichloride	BCl3	10294-34-5
Boron Trifluoride	BF3	2095581
Bromomethane	CH3Br	74-83-9
Butadiene, 1,3-	C4H6	106-99-0
Butane	C4H10	106-97-8
Butene, 1-	C4H8	106-98-9
Butyl Acetate	CH3COO[CH2]3CH3	123-86-4
Butyl Alcohol, 1-	CH3(CH2)2CH2OH	71-36-3
Butyl Cellosolve Acetate	C8-H16-O3	112-07-2
Butyrolactone	C4H6O2	96-48-0
Carbon Dioxide	CO2	124-38-9
Carbon Dioxide	CO2	124-38-9
Carbon Disulfide	CS2	75-15-0
Carbon Monoxide	CO	630-08-0
Carbon Monoxide	CO	630-08-0
Carbon Tetrachloride	CCl4	56-23-5
Carbonyl Fluoride	COF2	353-50-4
Carbonyl Sulphide	COS	463-58-1
Chlorobenzene	C6H5Cl	108-90-7
Chlorodifluoromethane (R22, HCFC-22)	CHClF2	75-45-6
Chloroform	CHCl3	67-66-3
Chloromethane	CH3Cl	74-87-3
Chloropivaloylchloride, 3-	ClCH2C(CH3)2COCl	4300-97-4
Chlorotrifluoroethylene (CTFE)	C2ClF3	79-38-9
CVD-3000 (Silicon Carbide Precursor)		n/a
Cyanogen	C2N2	460-19-5
Cyclohexane	C6H12	110-82-7
Cyclohexanol	C6H12O	108-93-0
Cyclohexanone	C6H10O, (CH2)5CO	108-94-1
Cyclohexene	C6H10	110-83-8
Cyclopentanone	C5H8O	120-92-3
Desflurane	C3H2F6O	57041-67-5
Diborane	B2H6	19287-45-7
Dichlorobenzene, 1,2-	C6H4Cl2	95-50-1
Dichloroethane	C2H4Cl2	156-60-2
Dichloroethylene, t-1,2-	C2H2Cl2	150-60-5
Dichloroethylene, trans, 1,2-	C2H2Cl2	156-60-5
Dichlorofluoromethane (FC-21)	CHCl2F	75-43-4

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Dichloromethane	CH ₂ Cl ₂	64164
Dichloropropane, 1,2-	CH ₃ CHClCH ₂ Cl	78-87-5
Dichlorosilane	SiH ₂ Cl ₂	4109-96-0
Diethoxymethoxyiranylsilane	C ₇ H ₁₆ O ₃ Si	798568-23-7
Diethyl Ether	(C ₂ H ₅) ₂ O	60-29-7
Diethylamine	C ₄ H ₁₁ N	109-89-7
Diethyltelluride	(C ₂ H ₅) ₂ Te	627-54-3
Difluoromethane (R32)	CH ₂ F ₂	75-10-5
Diglycolamine	C ₄ H ₁₁ NO ₂	929-06-6
Dimethyl Acetamide	C ₄ H ₉ NO	127-19-5
Dimethyl Amine	C ₂ H ₇ N	124-40-3
Dimethyl Ether	(CH ₃) ₂ O	115-10-6
Dimethyl Sulfoxide	C ₂ H ₆ OS	67-68-5
Dimethyldiethoxysilane	C ₆ H ₁₆ O ₂ Si	78-62-6
Dimethyldimethoxysilane	C ₄ H ₁₂ O ₂ Si	1112-39-6
Dimethylformamide	HCON(CH ₃) ₂	61699
Dimethylphenylsilane	C ₆ H ₅ -SiH-(CH ₃) ₂	766-77-8
Dimethylvinyl Disilazane	C ₈ H ₁₉ N ₄ Si	2115155
Dimethylzinc	(CH ₃) ₂ Zn	544-97-8
Dioxane	C ₄ H ₈ O ₂	123-91-1
Dipropylamine	C ₆ H ₁₅ N	142-87-7
Disilabutane, 1,4-	C ₂ H ₁₀ Si ₂	900142
Enflurane	C ₃ H ₂ ClF ₅ O	13838-16-9
Epichlorohydrin	ClCH ₂ C ₂ H ₃ O	106-89-8
Ethanol	C ₂ H ₆ O	64-17-5
Ethanolamine	NH ₂ -C ₂ H ₄ OH	141-43-5
Ethoxyethanol, 2-	C ₄ H ₁₀ O ₂	110-80-5
Ethoxyethylacetate, 2-	C ₆ H ₁₂ O ₃	111-15-9
Ethyl 3-ethoxypropionate	C ₇ H ₁₄ O ₃	763-69-9
Ethyl Acetate	CH ₃ COOC ₂ H ₅	141-78-6
Ethyl Acrylate	C ₅ H ₈ O ₂	140-88-5
Ethyl Amine	C ₂ H ₇ N	64016
Ethyl Benzene	C ₈ H ₁₀	100-41-4
Ethyl Lactate	C ₅ H ₁₀ O ₃	687-47-8
Ethyl Pyruvate	C ₅ H ₈ O ₃	617-35-6
Ethylene	C ₂ H ₄	
Ethylene Dichloride	C ₂ H ₄ Cl ₂	107-06-2
Ethylene Glycol	C ₂ H ₆ O ₂	107-21-1
Ethylene Oxide	C ₂ H ₄ O	75-21-8
Ethylidene Norbornene	C ₉ H ₁₂	16219-75-3
Fluorinert FC3283	(C ₃ F ₇) ₃ N	338-83-0
Fluorinert FC-40	C ₂₁ N ₂ F ₄₈	51142-49-5
Fluorinert FC-77	(C ₈ F ₁₈) _n .(C ₈ F ₁₆) _m	86508-42-1, 52623-00-4
Fluoromethane	CH ₃ F	593-53-3
Formaldehyde	HCHO	50-00-0
Formamide	HCONH ₂	64260
Freon 11	CFCI ₃	75-69-4
Freon 113/TF	CF ₃ CCl ₃	76-13-1
Freon 114	C ₂ Cl ₂ F ₄	76-14-2
Freon 116	C ₂ F ₆	76-16-4
Freon 12	CF ₂ Cl ₂	75-71-8
Freon 13	CClF ₃	75-72-9

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Freon 134a	C ₂ H ₂ F ₄	811-97-2
Freon 13B1	CF ₃ Br	75-63-8
Freon 14	CF ₄	75-73-0
Freon 23	CHF ₃	75-46-7
Galden HT110	CF ₃ -[(OCFCF ₃ CF ₂) _n - -(OCF ₂) _m]-OCF ₃	69991-67-9
Galden HT135	CF ₃ -[(OCFCF ₃ CF ₂) _n - -(OCF ₂) _m]-OCF ₃	69991-67-9
Galden HT-200	CF ₃ -[(OCFCF ₃ CF ₂) _n - -(OCF ₂) _m]-OCF ₃	69991-67-9
Galden HT70	CF ₃ -[(OCFCF ₃ CF ₂) _n - -(OCF ₂) _m]-OCF ₃	69991-67-9
Germane	GeH ₄	7782-65-2
Glutaraldehyde	C ₅ H ₈ O ₂	111-30-8
Halothane	C ₂ HBrClF ₃	151-67-7
HCFC-141b	CCl ₂ FC ₂ H ₃	17-17-006
HCFC-225ca	C ₃ H ₅ Cl ₂	422-56-0
HCFC-225cb	C ₃ H ₅ Cl ₂	507-55-1
HCFO-1233xf	CClF ₂ CClCH ₂	2730-62-3
Heptafluorocyclopentene	C ₅ HF ₇	1892-03-1
Heptanone, 2-	C ₇ H ₁₄ O	110-43-0
Hexachlorobutadiene	C ₄ Cl ₆	87-68-3
Hexachloroethane	C ₂ Cl ₆	67-72-1
Hexafluoro-1,3 butadiene	C ₄ F ₆	685-63-2
Hexafluoro-2,5-dihydrothiophene	C ₄ F ₆ S	380-40-5
Hexafluorobenzene	C ₆ F ₆	392-56-3
Hexafluoropropylene (HFP)	C ₃ F ₆	116-15-4
Hexafluoropropylene (HFP)	C ₃ F ₆	116-15-4
Hexahydrophthalic Anhydride	C ₈ H ₁₀ O ₃	85-42-7
Hexamethyl Diamine	C ₆ H ₁₆ N ₂	124-09-4
Hexamethyldisilane	C ₆ H ₁₈ Si ₂	1450-14-2
Hexane, n-	C ₆ H ₁₄	110-54-3
Hexanes	C ₆ H ₁₄	73513-42-5
HFC-1132a	C ₂ H ₂ F ₂	75-38-7
HFE71	C ₅ F ₉ O ₃	163702-07-6
HFE-7200	C ₄ F ₉ O ₂ H ₅	163702-05-4
HFE-7500	C ₉ H ₅ F ₁₅ O	297730-93-9
HMDS	(CH ₃) ₃ SiNHSi(CH ₃) ₃	999-97-3
Hydrogen Bromide	HBr	10035-10-6
Hydrogen Chloride	HCl	7647-01-0
Hydrogen Cyanide	HCN	74-90-8
Hydrogen Fluoride	HF	7664-39-3
Hydrogen Sulfide	H ₂ S	
Iron Pentacarbonyl	Fe(CO) ₅	13463-40-6
Isobutane	C ₄ H ₁₀	75-28-5
Isobutylene	C ₄ H ₈	115-11-7
Isoflurane	C ₃ H ₂ ClF ₅ O	26675-46-7
Isopentane	C ₅ H ₁₂	78-78-4
Isophorone	C ₉ H ₁₄ O	78-59-1
Isopropyl Acetate	CH ₃ COOCH(CH ₃) ₂	108-21-4
Isopropyl Alcohol (IPA)	CH ₃ CHOHCH ₃	67-63-0
Isopropyl Amine	C ₃ H ₉ N	75-31-0
Kerosene	-	8008-20-6

Gas Name	Formula	CAS #
Limonene, d-	C10H16	5989-54-8
Methane	CH4	74-82-8
Methanol	CH3OH	67-56-1
Methoxyethanol, 2-	C3H8O2	109-86-4
Methoxyethyl Acetate, 2-	C5H10O3	110-49-6
Methoxyethyl Ether, 2-	C6H14O3	111-96-6
Methyl 3-methoxyacrylate	C5H8O3	5788-17-0
Methylmethoxypolycarbosilane		n/a
Methyl 3-methoxypropionate	C5H10O3	713201
Methyl Acrylate	C4H6O2	96-33-3
Methyl Amine	CH3NH2	74-89-5
Methyl Ethyl Ketone	C4H8O	78-93-3
Methyl Isobutyl Ketone	CH3COCH2CH(CH3)2	108-10-1
Methyl Silane	CH6Si	992-94-9
Methyldiethoxysilane	C5H14O2Si	2031-62-1
Methyldimethoxysilane	C3H9-O2Si	16881-77-9
Methylethanol Amine	C3H9NO	109-63-1
Methylmethacrylate	C5H8O2	80-62-6
Methylpyrrolidinone, n-	C5H9NO	872-50-4
Methyl-t-butylether	C5H12O	1634-04-4
Methyltriethoxysilane	C7H18O3Si	2031-67-6
Methyltrimethoxysilane	C4H12O3Si	1185-55-3
Naphthalene	C10H8	91-20-3
Nitrogen Dioxide	NO2	10102-44-0
Nitric Oxide	NO	10102-43-9
Nitrogen Trifluoride	NF3	7783-54-2
Nitrous Oxide	N2O	10024-97-2
Octafluorocyclobutane	C4F8	115-25-3
Octafluorocyclopentene	C5F8	549-40-0
Octafluoropropane	C3F8	76-19-7
Octamethylcyclotetrasiloxane	C8H24O4Si4	556-67-2
Octane	C8H18	111-65-9
Oxygen Difluoride	OF2	7783-41-7
Ozone	O3	10028-15-6
Pentane	C5H12	109-66-0
Pentanol	C5H12O	71-41-0
Pentanone, 2-	C5H10O	107-87-9
Pentene, 1-	C5H10	109-67-1
Perchloroethylene	C2Cl4	127-18-4
Perfluorohexane	C6F14	355-42-0
Perfluoropropylvinylether	C5F10O	1623-05-8
Petroleum Ether	C7H7BrMg	8032-32-4
Phenol	C6H5OH	108-95-2
Phosgene	COCl2	75-44-5
Phosphine	PH3	7803-51-2
Phosphorus Oxychloride	POCl3	10025-87-3
Pinene, beta	C10H16	18172-67-3
Porogen A		n/a
Propane	C3H8	74-98-6
Propionaldehyde	C3H6O	123-38-6
Propylene	C3H6	115-07-1
Propylene Glycol	C3H8O2	57-55-6

Gas Name	Formula	CAS #
Propylene Glycol Monomethyl Ether	C4H10O2	107-98-2
Propyleneglycol Monomethylether Acetate	C6H12O3	108-65-6
Pyridine	C5H5N	110-86-1
R-123	C2HF3Cl2	306-83-2
R-1234yf	CH2=CF3	754-12-1
R-124	C2HClF4	2837-89-0
R-125	CHF2CF3	354-33-6
R134A	R134A	
R-244bb	C3H3ClF4	421-73-8
R-245fa	C3H3F5	460-73-1
R404a		
R407a		
R407c		
R4310	C5H2F10	138495-42-8
R507a		
Sevoflurane	C4H3F7O	28523-86-6
Silane	SiH4	7803-62-5
Silicon Tetrachloride	SiCl4	10026-04-7
Silicon Tetrafluoride	SiF4	7783-61-1
SSY-525 (SiNx etch gas by Zeon)		-
Styrene	C8H8	100-42-5
Sulfur Dioxide	SO2	2135457
Sulfuric Acid	H2SO4	
Sulfur Hexafluoride	SF6	2551-62-4
Sulfuryl Fluoride	SO2F2	2699-79-8
Terpinene, alpha	C10H16	99-86-5
Tert-Butylamine	C4H11N	75-64-9
Tetrachloropropene, 1,1,2,3-; (TECP)	C3H2Cl4	10436-39-2
Tetraethoxysilane (TEOS)	C8H20O4Si	65292
Tetraethyleneglycol Diacrylate	C4H22O7	17831-71-9
Tetrafluoroethylene (TFE)	C2F4	116-14-3
Tetrafluoroethylene (TFE)	C2F4	116-14-3
Tetrahydrofuran	C4H8O	109-99-9
Tetrahydrofuran Alcohol	C5H10O2	97-99-4
(dimethylamine)	C2H7N	3275-24-9
Tetrakis(ethylamino)silane		17865-94-0
Tetrakis(trifluorophosphorus)nickel	Ni(PF3)4	13859-65-9
Tetramethoxysilane	(CH3O)4Si	681-84-5
Tetramethyl Cyclotetrasiloxane	(HSiCH3O)4	2370-88-9
Tetramethyl Silane (TMS)	(CH3)4Si	75-76-3
Tetramethyl-1,3-disilacyclobutane, 1,1,3,3-	C6H16Si2	1627-98-1
Tetramethylammonium hydroxide	(CH3)4NOH	75-59-2
Tetramethyldisilethylene	C6H18Si2	20152-11-8
Tetramethyldisiloxane, 1,1,3,3-	C4H14OSi2	3277-26-7
Tetramethylene Sulfone	C4H8O2S	126-33-0
Tetravinyl Tetramethyl Cyclotetrasiloxane	C12H24O4Si4	27342-69-4
Toluene	C7H8	108-88-3
Trichloroethane, 1,1,1-	C2H3Cl3	71-55-6
Trichloroethane, 1,1,2-	C2H3Cl3	79-00-5
Trichloroethylene	C2HCl3	65386
Trichlorosilane	HSiCl3	10025-78-2
Triethoxysilane	C6H16O3Si	998-30-1

Gas Name	Formula	CAS #
Triethyl Borate	(C ₂ H ₅ O) ₃ B	150-46-9
Triethyl Phosphate	(CH ₃ CH ₂) ₃ PO ₄	78-40-0
Triethylamine	(C ₂ H ₅) ₃ N	121-44-8
Trifluoroethanethiol	C ₂ H ₃ F ₃ S	1544-53-2
Trifluoropropyne (TFPY)	C ₃ HF ₃	661-54-1
Tri-isopropylsilane	C ₉ H ₂₂ Si	6486-79-6
Trimthoxysilane	C ₃ H ₁₀ O ₃ Si	2487-90-3
Trimethyl Amine	N(CH ₃) ₃	75-50-3
Trimethyl Borate	(CH ₃ O) ₃ B	121-43-7
Trimethyl Phosphate	(CH ₃) ₃ PO ₄	512-56-1
Trimethyl Phosphite	(CH ₃ O) ₃ P	121-45-9
Trimethyl Silane	C ₃ H ₁₀ Si	993-07-7
Trimethyl Arsine	As(CH ₃) ₃	593-88-4
Trimethyl Boron	B(CH ₃) ₃	593-90-8
Trimethylmethoxy Silane	C ₄ H ₁₂ O ₂ Si	1825-61-2
Trimethylsilyl Acetylene	C ₅ H ₁₀ Si	1066-54-2
Trimethylsilyl Acetylene, bis	C ₂ (Si(CH ₃) ₃) ₂	14630-40-1
Trimethylsilyl Imidazole	C ₆ H ₁₂ N ₂ Si	18156-74-6
Trimethylsilylmethane, bis	[(CH ₃) ₃ Si] ₂ CH ₂	2117-28-4
Trimethylvinylsilane (TMVS)	(CH ₃) ₃ SiCHCH ₂	754-05-2
Trivinyl-trimethylcyclotrisiloxane	C ₉ H ₁₈ O ₃ Si ₃	3901-77-7
Tungsten Hexafluoride	WF ₆	
Vinyl Acetate	C ₄ H ₆ O ₂	108-05-4
Vinyl Chloride	C ₂ H ₃ Cl	63923
Vinylidene Fluoride	VDF	
VinylmethyldiEthoxysilane	C ₇ H ₁₆ O ₂ Si	5507-44-8
VinylmethyldiMethoxysilane	C ₅ H ₁₂ O ₂ Si	16753-62-1
Vinylphenylmethylsilane	C ₉ H ₁₂ Si	17875-39-6
Xylene, m-	C ₈ H ₁₀	108-38-3
Xylene, o-	C ₈ H ₁₀	95-47-6
Xylenes, p-	C ₆ H ₄ (CH ₃) ₂	106-42-3
Xylenes	C ₆ H ₄ (CH ₃) ₂	1330-20-7

Additional gas calibrations available upon request. Ranges are subject to change. Please review product specifications or contact DOD Technologies.