

12-5 Volatile organic compound (VOC) conversion gas list

Volatile organic compound (VOC) concentration is normally displayed as isobutylene (C₄H₈), but this can be displayed converted to a pre-registered gas.

For information on the setting procedure, refer to '6-4-3 Volatile organic compound (VOC) conversion gas selection'.

Gas types for which “-” is indicated in the Conversion factor (10.6 eV/10.0 eV) column cannot be measured using VOC sensors (10.6 eV/10.0 eV).

Gas name (displayed name)	Gas name (alias)	Formula	CAS number	Conversion factor (10.6 eV)	Conversion factor (10.0 eV)
Acetaldehyde	Acetaldehyde	C ₂ H ₄ O	75-07-0	3.4	-
Acetamide	Acetamide	C ₂ H ₅ NO	60-35-5	2	-
Acetic acid	Acetic acid	C ₂ H ₄ O ₂	64-19-7	36.2	-
Acetic anhydride	Acetic anhydride	C ₄ H ₆ O ₃	108-24-7	4	-
Acetoin	Acetoin	C ₄ H ₈ O ₂	513-86-0	1	-
Acetone	Acetone	C ₃ H ₆ O	67-64-1	0.7	1.20
Acetone cyanohydrin		C ₄ H ₇ NO		-	-
Acetophenone	Acetophenone	C ₈ H ₈ O	98-86-2	0.6	-
Acetyl bromide	Acetyl bromide	C ₂ H ₃ BrO	506-96-7	3	-
Acetylene		C ₂ H ₂		-	-
Acetylglycine, N-	n-acetylglycine	C ₄ H ₇ NO ₃	543-24-8	2	-
Acrolein	Acrolein	C ₃ H ₄ O	107-02-8	3.2	-
Acrylic acid	Acrylic acid	C ₃ H ₄ O ₂	79-10-7	2.7	-
Acrylonitrile		C ₃ H ₃ N		-	-
Alkanes, n-, C6+	Normal alkane (C6+)	C _n H _{2n+2}		1	-
Allyl acetoacetate	Allyl acetoacetate	C ₇ H ₁₀ O ₃	1118-84-9	1.5	-
Allyl alcohol	Allyl alcohol	C ₃ H ₆ O	107-18-6	2.1	4
Allyl bromide	Allyl bromide	C ₃ H ₅ Br	106-95-6	3	-
Allyl chloride	Allyl chloride	C ₃ H ₅ Cl	107-05-1	4.5	-
Allyl glycidyl ether	Allyl glycidyl ether	C ₆ H ₁₀ O ₂	106-92-3	0.8	-
Allyl propyl disulfide	Allyl propyl disulfide	C ₆ H ₁₂ S ₂	2179-59-1	0.4	-
Ammonia	Ammonia	NH ₃	7664-41-7	8.5	-
Amyl acetate	n-amyl acetate	C ₇ H ₁₄ O ₂	628-63-7	1.8	9
Amyl alcohol	Amyl alcohol	C ₅ H ₁₂ O	71-41-0	3.5	10
Amyl alcohol, tert-	tert-amyl alcohol	C ₅ H ₁₂ O	75-85-4	1.5	2.8
Anethole	Anethole	C ₁₀ H ₁₂ O	104-46-1	0.4	-
Aniline	Aniline	C ₆ H ₇ N	62-53-3	0.48	0.8
Anisole	Anisole	C ₇ H ₈ O	100-66-3	0.5	0.59

Gas name (displayed name)	Gas name (alias)	Formula	CAS number	Conversion factor (10.6 eV)	Conversion factor (10.0 eV)
Anisyl aldehyde	Anisaldehyde	C ₈ H ₈ O ₂	123-11-5	0.4	-
Arsine	Arsine	AsH ₃	7784-42-1	2.5	-
Asphalt, petroleum fumes	Asphaltum		8052-42-4	1	-
Benzaldehyde	Benzaldehyde	C ₇ H ₆ O	100-52-7	0.9	0.9
Benzene	Benzene	C ₆ H ₆	71-43-2	0.46	0.54
Benzene thiol	Benzenethiol	C ₆ H ₅ SH	108-98-5	0.7	0.8
Benzoic acid	Benzoic acid	C ₇ H ₆ O ₂	65-85-0	0.7	-
Benzonitrile	Benzonitrile	C ₇ H ₅ N	100-47-0	0.7	0.8
Benzoquinone, o-	o-benzoquinone	C ₆ H ₄ O ₂	583-63-1	1	-
Benzoquinone, p-	p-benzoquinone	C ₆ H ₄ O ₂	106-51-4	1	-
Benzoyl bromide	Benzoyl bromide	C ₇ H ₅ BrO	618-32-6	2	-
Benzyl 2-phenylacetate	Benzyl phenylacetate	C ₁₅ H ₁₄ O ₂	102-16-9	0.5	-
Benzyl acetate	Benzyl acetate	C ₉ H ₁₀ O ₂	140-11-4	0.6	-
Benzyl alcohol	Benzyl alcohol	C ₇ H ₈ O	100-51-6	1.3	1.6
Benzyl chloride	Benzyl chloride	C ₇ H ₇ Cl	100-44-7	0.48	0.7
Benzyl formate	Benzyl formate	C ₈ H ₈ O ₂	104-57-4	0.8	-
Benzyl isobutyrate	Benzyl isobutyrate	C ₁₁ H ₁₄ O ₂	103-28-6	0.5	-
Benzyl nitrile	Benzyl cyanide	C ₈ H ₇ N	140-29-4	1	-
Benzyl propionate	Benzyl propionate	C ₁₀ H ₁₂ O ₂	122-63-4	0.5	-
Benzylamine	Benzylamine	C ₇ H ₉ N	100-46-9	0.6	-
Biphenyl	Biphenyl	C ₁₂ H ₁₀	92-52-4	0.4	0.6
Borneol	Borneol	C ₁₀ H ₁₈ O	507-70-0	0.8	-
Bromine	Bromine	Br ₂	7726-95-6	15	-
Bromo-2,2-dimethylpropane, 1-	1-bromo-2,2-dimethylpropane	C ₅ H ₁₁ Br	630-17-1	2	-
Bromo-2-chloroethane, 1-	1-bromo-2-chloroethane	C ₂ H ₄ BrCl	107-04-0	8	-
Bromo-2-methylpentane, 1-	1-bromo-2-methylpentane	C ₆ H ₁₃ Br	25346-33-2	2	-
Bromoacetone	Bromoacetone	C ₃ H ₅ BrO	598-31-2	1	-
Bromoacetylene	Bromoacetylene	C ₂ HBr	593-61-3	4	-
Bromobenzene	Bromobenzene	C ₆ H ₅ Br	108-86-1	0.3	0.32
Bromobutane, 1-	1-bromobutane,	C ₄ H ₉ Br	109-65-9	1	14
Bromobutane, 2-	sec-butyl bromide	C ₄ H ₉ Br	78-76-2	1.5	1.6
Bromocyclohexane	Bromocyclohexane	C ₆ H ₁₁ Br	108-85-0	3	-
Bromoethane	Bromoethane	C ₂ H ₅ Br	74-96-4	5	-

Gas name (displayed name)	Gas name (alias)	Formula	CAS number	Conversion factor (10.6 eV)	Conversion factor (10.0 eV)
Bromoethanol, 2-	Ethylene bromohydrin	C ₂ H ₅ BrO	540-51-2	2	-
Bromoethyl methyl ether, 2-	2-bromoethyl methyl ether	C ₃ H ₇ BrO	6482-24-2	2.5	-
Bromoform	Bromoform	CHBr ₃	75-25-2	2.8	-
Bromopentane, 1-	1-bromopentane	C ₅ H ₁₁ Br	110-53-2	2	3.5
Bromopropane, 1-	Normal propyl bromide	C ₃ H ₇ Br	106-94-5	1.3	70
Bromopyridine, 3-	3-bromopyridine	C ₅ H ₄ BrN	626-55-1	2	-
Bromopyridine, 4-	4-bromopyridine	C ₅ H ₄ BrN	1120-87-2	2	-
Bromotrimethylsilane	Bromotrimethylsilane	C ₃ H ₉ BrSi	2857-97-8	2	-
But-2-ynal	2-butyral	C ₄ H ₄ O	1119-19-3	3	-
But-3-ynal	3-butyne-1-one	C ₄ H ₄ O	52844-23-2	1.5	-
Butadiene diepoxide, 1,3-	1,3-butadiene diepoxide	C ₄ H ₆ O ₂	1464-53-5	4	-
Butadiene, 1,3-	Butadiene	C ₄ H ₆	106-99-0	0.8	0.8
Butane, n-	Normal butane	C ₄ H ₁₀	106-97-8	44	-
Butanedione, 2,3-	2,3-butanedione	C ₄ H ₆ O ₂	431-03-8	0.4	0.87
Butanoic acid	Butyric acid	C ₄ H ₈ O ₂	107-92-6	5	-
Butanol, 1-	Normal butyl alcohol	C ₄ H ₁₀ O	71-36-3	4	25
Butanol, 2-	2-Butanol	C ₄ H ₁₀ O	78-92-2	3.0	8
Buten-3-ol, 1-	1-buten-3-ol	C ₄ H ₈ O	598-32-3	1.2	3
Butene, 1-	1-butene	C ₄ H ₈	106-98-9	1.5	-
Butene, 2-	2-butene	C ₄ H ₈	107-01-7	1.3	-
Butene, cis-2-	cis-2-butene	C ₄ H ₈	590-18-1	1.3	-
Butene, trans-2-	trans-2-butene	C ₄ H ₈	624-64-6	1.3	-
Butenoic acid, 3-	Crotonic acid	C ₄ H ₆ O ₂	107-93-7	2	-
Butoxyethanol, 2-	Ethylene glycol monobutyl ether	C ₆ H ₁₄ O ₂	111-76-2	1.1	-
Butoxyethoxyethanol	Diethylene glycol monobutyl ether	C ₈ H ₁₈ O ₃	112-34-5	1.0	-
Butoxyethylacetate, 2-	Ethylene glycol monobutyl ether acetate	C ₈ H ₁₆ O ₃	112-07-2	3	-
Butyl acetate	Butyl acetate	C ₆ H ₁₂ O ₂	123-86-4	2.4	12
Butyl acetate, sec-	sec-butyl acetate	C ₆ H ₁₂ O ₂	105-46-4	2.4	5.5
Butyl acetate, tert-	tert-butyl acetate	C ₆ H ₁₂ O ₂	540-88-5	2	1.65
Butyl acrylate	n-butyl acrylate	C ₇ H ₁₂ O ₂	141-32-2	1.5	-
Butyl butyrate	Butyl butyrate	C ₈ H ₁₆ O ₂	109-21-7	1.8	-
Butyl chloroformate	Butyl chloroformate	C ₅ H ₉ ClO ₂	592-34-7	3.2	-
Butyl cyclohexan-1-ol, 4- tert-	4-tert-butyl cyclohexan-1-ol	C ₁₀ H ₂₀ O	98-52-2	1.4	-

Gas name (displayed name)	Gas name (alias)	Formula	CAS number	Conversion factor (10.6 eV)	Conversion factor (10.0 eV)
Butyl cyclohexyl acetate, 2- tert-	2-tert-butyl cyclohexyl acetate	C ₁₂ H ₂₂ O ₂	88-41-5	0.8	-
Butyl ether, n-	Dibutyl ether	C ₈ H ₁₈ O	142-96-1	0.7	1.10
Butyl glycidyl ether	Butyl glycidyl ether	C ₇ H ₁₄ O ₂	2426-08-6	2	-
Butyl iodide	Butyl iodide	C ₄ H ₉ I	542-69-8	1	-
Butyl isocyanate	n-butyl isocyanate	C ₅ H ₉ NO	111-36-4	2.5	-
Butyl lactate	Butyl lactate	C ₇ H ₁₄ O ₃	138-22-7	2.5	-
Butyl mercaptan, n-	n-butyl mercaptan	C ₄ H ₁₀ S	109-79-5	0.5	-
Butyl mercaptan, tert-	tert-butyl mercaptan	C ₄ H ₁₀ S	75-66-1	0.4	-
Butyl methacrylate	n-Butyl methacrylate	C ₈ H ₁₄ O ₂	97-88-1	1	-
Butyl propionate, n-	Butyl propionate	C ₇ H ₁₄ O ₂	590-01-2	1.8	4
Butylamine, n-	Monobutylamine	C ₄ H ₁₁ N	109-73-9	1	-
Butylamine, sec-	sec-butylamine	C ₄ H ₁₁ N	513-49-5	0.9	-
Butylamine, tert-	tert-butylamine	C ₄ H ₁₁ N	75-64-9	0.9	1.5
Butylbenzene	Butylbenzene	C ₁₀ H ₁₄	104-51-8	0.5	0.45
Butylbenzene, sec-	sec-butylbenzene	C ₁₀ H ₁₄	135-98-8	0.4	0.4
Butylbenzene, tert-	tert-butylbenzene	C ₁₀ H ₁₄	98-06-6	0.4	0.4
Butylene carbonate, 1,2-	1,2-butylene carbonate	C ₅ H ₈ O ₃	4437-85-8	2	-
Butylphenol, o-sec-	o-sec-butylphenol	C ₁₀ H ₁₄ O	89-72-5	0.9	-
Butyn-1-ol, 2-	2-butyn-1-ol	C ₄ H ₆ O	764-01-2	1.5	-
Butyn-2-one	3-butyn-2-one	C ₄ H ₄ O	1423-60-5	3	-
Butyraldehyde	Normal butyl aldehyde	C ₄ H ₈ O	123-72-8	1.6	1.9
Butyrolactone, gamma-	γ-butyrolactone	C ₄ H ₆ O ₂	96-48-0	15	-
Butyronitrile		C ₄ H ₇ N		-	-
Butyryl chloride	Butyryl chloride	C ₄ H ₇ ClO	141-75-3	3	-
Camphene	(+/-)-camphene	C ₁₀ H ₁₆	565-00-4	0.5	0.4
Camphor	(+/-)-camphor	C ₁₀ H ₁₆ O	76-22-2	0.4	-
Carbon disulfide	Carbon disulfide	CS ₂	75-15-0	1.4	1.3
Carbon suboxide	Carbon suboxide	C ₃ O ₂	504-64-3	10	-
Carbon tetrabromide	Carbon tetrabromide	CBR ₄	558-13-4	3	-
Carbon tetrachloride		CCl ₄		-	-
Carbonyl sulfide		COS		-	-
Carene	(+)-3-carene	C ₁₀ H ₁₆	13466-78-9	0.5	-
Carvacrol	Carvacrol	C ₁₀ H ₁₄ O	499-75-2	0.8	-
Carvone, R-	l-carvone	C ₁₀ H ₁₄ O	6485-40-1	1	1.5

Gas name (displayed name)	Gas name (alias)	Formula	CAS number	Conversion factor (10.6 eV)	Conversion factor (10.0 eV)
Caryophyllene	(Z)-4,11,11-trimethyl-8-methylenebicyclo[7.2.0]undec-4-ene	C ₁₅ H ₂₄	13877-93-5	0.4	-
Chloramine	Chloramine	ClH ₂ N	10599-90-3	2	-
Chlorine		Cl ₂		-	-
Chloro-1,1-difluoroethene, 2-	2-chloro-1,1-difluoroethylene	C ₂ HClF ₂	359-10-4	1.5	-
Chloro-1-fluoroethane, 1-		C ₂ H ₄ ClF		-	-
Chloro-2-fluoroethane, 1-		C ₂ H ₄ ClF		-	-
Chloro-2-propanone, 1-	Chloroacetone	C ₃ H ₅ ClO	78-95-5	1	-
Chloroacetaldehyde	Chloroacetaldehyde	C ₂ H ₃ ClO	107-20-0	3	-
Chlorobenzene	Monochlorobenzene	C ₆ H ₅ Cl	108-90-7	0.36	0.5
Chlorobutane, 1-	n-butyl chloride	C ₄ H ₉ Cl	109-69-3	10	-
Chlorobutane, 2-	2-chlorobutane	C ₄ H ₉ Cl	78-86-4	8	-
Chlorocyclohexane	Chlorocyclohexane	C ₆ H ₁₁ Cl	542-18-7	4	20
Chloroethyl methyl ether, 2-	2-chloroethyl methyl ether	C ₃ H ₇ ClO	627-42-9	2.6	-
Chloroethane		C ₂ H ₅ Cl		-	-
Chloroform		CHCl ₃		-	-
Chloromethane		CH ₃ Cl		-	-
Chloromethoxyethane	Chloromethoxyethane	C ₃ H ₇ ClO	3188-13-4	4	-
Chloroprene	Chloroprene	C ₄ H ₅ Cl	126-99-8	1.3	-
Chloropyridine, 2-	2-chloropyridine	C ₅ H ₄ ClN	109-09-1	1	-
Chlorostyrene, o-	o-chlorostyrene	C ₈ H ₇ Cl	2039-87-4	0.4	-
Chlorotoluene, m-	m-chlorotoluene	C ₇ H ₇ Cl	108-41-8	0.5	-
Chlorotoluene, o-	Chlorotoluene	C ₇ H ₇ Cl	95-49-8	0.5	-
Chlorotoluene, p-	p-chlorotoluene	C ₇ H ₇ Cl	106-43-4	0.39	0.3
Chlorotrifluoroethylene	Chlorotrifluoroethylene	C ₂ ClF ₃	79-38-9	1	-
Cinnamic aldehyde	Cinnamic aldehyde	C ₉ H ₈ O	104-55-2	0.4	-
Cinnamyl acetate	Cinnamyl acetate	C ₁₁ H ₁₂ O ₂	21040-45-9	0.4	-
Cinnamyl alcohol	Cinnamyl alcohol	C ₉ H ₁₀ O	104-54-1	0.4	-
Citral	Citral	C ₁₀ H ₁₆ O	5392-40-5	1	3.4
Citronellal	Citronellal	C ₁₀ H ₁₈ O	106-23-0	0.9	-
Citronellol	(+/-)-Citronellol	C ₁₀ H ₂₀ O	26489-01-0	1	-
Citronellol acetate	Citronellol acetate	C ₁₂ H ₂₂ O ₂	150-84-5	1.5	-
Citronellol formate	Citronellol formate	C ₁₁ H ₂₀ O ₂	105-85-1	1.5	-
Citronellyl isobutyrate	Citronellyl isobutyrate	C ₁₄ H ₂₆ O ₂	97-89-2	0.9	-

Gas name (displayed name)	Gas name (alias)	Formula	CAS number	Conversion factor (10.6 eV)	Conversion factor (10.0 eV)
Coumarin	Coumarin	C ₉ H ₆ O ₂	91-64-5	0.4	-
Creosote	Creosote		8021-39-4	1.0	-
Cresol, m-	m-cresol	C ₇ H ₈ O	108-39-4	2.2	1.5
Cresol, o-	o-cresol	C ₇ H ₈ O	95-48-7	1.1	1.5
Cresol, p-	p-cresol	C ₇ H ₈ O	106-44-5	1.1	1.5
Cresyl acetate, p-	p-cresyl acetate	C ₉ H ₁₀ O ₂	140-39-6	1	-
Cresyl ethyl ether, p-	p-cresyl ethyl ether	C ₉ H ₁₂ O	622-60-6	0.8	-
Cresyl methyl ether	p-cresyl methyl ether	C ₈ H ₁₀ O	104-93-8	0.8	-
Crotonaldehyde	Crotonaldehyde	C ₄ H ₆ O	4170-30-3	1	-
Crotonyl alcohol	Crotonyl alcohol	C ₄ H ₆ O	6117-91-5	0.8	-
Cumene	Cumene	C ₉ H ₁₂	98-82-8	0.32	-
Cycloalkanes	Cycloalkanes			1.5	-
Cyclobutanone	Cyclobutanone	C ₄ H ₆ O	1191-95-3	1.2	-
Cyclobutene	Cyclobutene	C ₄ H ₆	822-35-5	3	-
Cycloheptane	Cycloheptane	C ₇ H ₁₄	291-64-5	1.1	-
Cyclohex-2-enedione, 1,4-	2-cyclohexene-1,4-dione	C ₆ H ₆ O ₂	4505-38-8	1	-
Cyclohexane	Cyclohexane	C ₆ H ₁₂	110-82-7	1.2	3.3
Cyclohexanethiol	Cyclohexanethiol	C ₆ H ₁₂ S	1569-69-3	0.5	-
Cyclohexanol	Cyclohexanol	C ₆ H ₁₂ O	108-93-0	2.9	2.7
Cyclohexanone	Cyclohexanone	C ₆ H ₁₀ O	108-94-1	1.1	1.20
Cyclohexene	Cyclohexene	C ₆ H ₁₀	110-83-8	0.8	1.4
Cyclohexyl acetate	Cyclohexyl acetate	C ₈ H ₁₄ O ₂	622-45-7	1.2	-
Cyclohexylamine	Cyclohexylamine	C ₆ H ₁₃ N	108-91-8	1	0.9
Cyclooctadiene	Cyclooctadiene	C ₈ H ₁₂	29965-97-7	1	-
Cyclopentadiene	Cyclopentadiene	C ₅ H ₆	542-92-7	0.8	-
Cyclopentane	Cyclopentane	C ₅ H ₁₀	287-92-3	12.0	-
Cyclopentanone	Cyclopentanone	C ₅ H ₈ O	120-92-3	0.7	1.0
Cyclopentene	Cyclopentene	C ₅ H ₈	142-29-0	1.5	140
Cyclopentene-1,3-dione, 4-	4-cyclopentene-1,3-dione	C ₅ H ₄ O ₂	930-60-9	1	-
Cyclopropylamine	Cyclopropylamine	C ₃ H ₇ N	765-30-0	0.8	1.7
Cymene, p-	p-cymene	C ₁₀ H ₁₄	99-87-6	0.35	-
Decahydronaphthalene	Decahydronaphthalene	C ₁₀ H ₁₈	91-17-8	0.9	-
Decanal	n-decanal	C ₁₀ H ₂₀ O	112-31-2	0.9	-

Gas name (displayed name)	Gas name (alias)	Formula	CAS number	Conversion factor (10.6 eV)	Conversion factor (10.0 eV)
Decane	Normal decane	C ₁₀ H ₂₂	124-18-5	0.9	4.2
Decyne, 1-	1-decyne	C ₁₀ H ₁₈	764-93-2	1.3	0.83
Desfluorane		C ₃ H ₂ F ₆ O		-	-
Diacetone alcohol	Diacetone alcohol	C ₆ H ₁₂ O ₂	123-42-2	0.8	0.84
Diazine, 1,2-	1,2-diazine	C ₄ H ₄ N ₂	289-80-5	3	-
Diazine, 1,3-	1,3-diazine	C ₄ H ₄ N ₂	289-95-2	3	-
Dibromoacetylene	Dibromoacetylene	C ₂ Br ₂	624-61-3	1.5	-
Dibromochloromethane	Dibromochloromethane	CHBr ₂ Cl	124-48-1	10	-
Dibromocyclohexane, 1,2-	1,2-dibromocyclohexane	C ₆ H ₁₀ Br ₂	5401-62-7	3	-
Dibromocyclopentane	1,2-dibromocyclopentane	C ₅ H ₈ Br ₂	33547-17-0	3	-
Dibromodichloromethane	Dibromodichloromethane	CBr ₂ Cl ₂	594-18-3	4	-
Dibromoethane, 1,2-	Ethylene dibromide	C ₂ H ₄ Br ₂	106-93-4	2	-
Dibromoethene, 1,1-	1,1-dibromoethene	C ₂ H ₂ Br ₂	593-92-0	1.5	-
Dibromoethene, 1,2-	1,2-dibromoethene	C ₂ H ₂ Br ₂	540-49-8	1.5	-
Dibromomethane	Dibromomethane	CH ₂ Br ₂	74-95-3	1.2	-
Dichloro-1,1-difluoroethane, 1,2-		C ₂ H ₂ Cl ₂ F ₂		-	-
Dichloro-1,2-difluoroethane, 1,2-		C ₂ H ₂ Cl ₂ F ₂		-	-
Dichloro-1,2-difluoroethene, 1,2-	1,2-dichloro-1,2-difluoroethene	C ₂ Cl ₂ F ₂	598-88-9	2	-
Dichloro-1-fluoroethane, 1,1-		C ₂ H ₃ Cl ₂ F		-	-
Dichloro-1-fluoroethane, 1,2-		C ₂ H ₃ Cl ₂ F		-	-
Dichloro-1-propene, 2,3-	2,3-dichloro-1-propene	C ₃ H ₄ Cl ₂	78-88-6	1.4	-
Dichloro-2,2-difluoroethene, 1,1-	1,1-dichloro-2,2-difluoroethene	C ₂ Cl ₂ F ₂	79-35-6	1	-
Dichloroacetylene	Dichloroacetylene	C ₂ Cl ₂	7572-29-4	5	-
Dichlorobenzene, o-	o-dichlorobenzene	C ₆ H ₄ Cl ₂	95-50-1	0.5	0.5
Dichlorobenzene, p-	p-dichlorobenzene	C ₆ H ₄ Cl ₂	106-46-7	0.5	0.5
Dichloroethane, 1,1-		C ₂ H ₄ Cl ₂		-	-
Dichloroethane, 1,2-		C ₂ H ₄ Cl ₂		-	-
Dichloroethene, 1,1-	1,1-dichloroethylene	C ₂ H ₂ Cl ₂	75-35-4	1	-
Dichloroethene, 1,2-	1,2-dichloroethylene	C ₂ H ₂ Cl ₂	540-59-0	0.36	0.29
Dichloroethene, cis-1,2-	cis-1,2-dichloroethene	C ₂ H ₂ Cl ₂	156-59-2	0.8	-
Dichloroethene, trans-1,2-	trans-1,2-dichloroethene	C ₂ H ₂ Cl ₂	156-60-5	0.36	-
Dichloromethane	Dichloromethane	CH ₂ Cl ₂	75-09-2	39	-
Dichloromethylamine	N,N-dichloro-N-methylamine	CH ₃ Cl ₂ N	7651-91-4	2	-
Dichloropropane, 1,2-		C ₃ H ₆ Cl ₂		-	-

Gas name (displayed name)	Gas name (alias)	Formula	CAS number	Conversion factor (10.6 eV)	Conversion factor (10.0 eV)
Dicyclohexylamine	Dicyclohexylamine	C ₁₂ H ₂₃ N	101-83-7	0.8	-
Dicyclopentadiene	Dicyclopentadiene	C ₁₀ H ₁₂	77-73-6	0.9	-
Diesel fuel	Diesel fuel		68334-30-5	0.8	-
Diethoxyethane, 1,1-	Acetal	C ₆ H ₁₄ O ₂	105-57-7	0.9	1.0
Diethyl carbonate	Diethyl carbonate	C ₆ H ₁₀ O ₃	105-58-8	1.5	-
Diethyl ether	Diethyl ether	C ₄ H ₁₀ O	60-29-7	0.9	-
Diethyl maleate	Maleic acid diethyl ester	C ₈ H ₁₂ O ₄	141-05-9	2	-
Diethyl malonate	Diethyl malonate	C ₇ H ₁₂ O ₄	105-53-3	4.0	-
Diethyl phthalate	Diethyl phthalate	C ₁₂ H ₁₄ O ₄	84-66-2	1	-
Diethyl sulfate	Diethyl sulfate	C ₄ H ₁₀ SO ₄	64-67-5	3	-
Diethyl sulfide	Diethyl sulfide	C ₄ H ₁₀ S	352-93-2	0.6	0.5
Diethyl sulfone	Diethyl sulfone	C ₄ H ₁₀ O ₂ S	597-35-3	2	-
Diethylacetylene	3-hexyne	C ₆ H ₁₀	928-49-4	2	-
Diethylaminopropylamine, 3-	3-diethylaminopropylamine	C ₇ H ₁₈ N ₂	104-78-9	1.2	3
Diethylene glycol monoethyl ether	Diethylene glycol monoethyl ether	C ₆ H ₁₄ O ₃	111-90-0	0.6	-
Diethylenetriamine	Diethylenetriamine	C ₄ H ₁₃ N ₃	111-40-0	0.9	-
Diethylhydroxylamine	Diethylhydroxylamine	C ₄ H ₁₁ NO	3710-84-7	2	1.5
Diethylsilane	Diethylsilane	C ₄ H ₁₂ Si	542-91-6	2	-
Diglycidyl ether	Diglycidyl ether	C ₆ H ₁₀ O ₃	2238-07-5	3	-
Dihydroeugenol	Dihydroeugenol	C ₁₀ H ₁₄ O ₂	2785-87-7	0.4	-
Dihydrojasmane	Dihydrojasmane	C ₁₁ H ₁₈ O	1128-08-1	0.6	-
Dihydromyrcenol	Dihydromyrcenol	C ₁₀ H ₂₀ O	18479-58-8	0.8	-
Dihydroxybenzene, 1,2-	Catechol	C ₆ H ₆ O ₂	120-80-9	1	-
Dihydroxybenzene, 1,3-	Resorcinol	C ₆ H ₆ O ₂	108-46-3	1	-
Diiodomethane	Diiodomethane	CH ₂ I ₂	75-11-6	1.2	-
Diisobutyl ketone	Diisobutyl ketone	C ₉ H ₁₈ O	108-83-8	0.8	0.7
Diisobutylene	2,4,4-trimethyl-1-pentene	C ₈ H ₁₆	107-39-1	0.6	0.9
Diisopropyl ether	Isopropyl ether	C ₆ H ₁₄ O	108-20-3	0.7	0.95
Diisopropylbenzene	Diisopropylbenzene	C ₁₂ H ₁₈	25321-09-9	0.4	-
Diketene	Diketene	C ₄ H ₄ O ₂	674-82-8	2.2	-
Dimethoxybenzene, 1,4-	p-dimethoxybenzene	C ₈ H ₁₀ O ₂	150-78-7	1.3	-
Dimethoxyethane, 1,2-	Ethylene glycol dimethyl ether	C ₄ H ₁₀ O ₂	110-71-4	1.2	1.2
Dimethoxymethane	Dimethoxymethane	C ₃ H ₈ O ₂	109-87-5	1.4	13

Gas name (displayed name)	Gas name (alias)	Formula	CAS number	Conversion factor (10.6 eV)	Conversion factor (10.0 eV)
Dimethyl carbonate	Dimethyl carbonate	C ₃ H ₆ O ₃	616-38-6	2.0	-
Dimethyl disulfide	Dimethyl disulfide	C ₂ H ₆ S ₂	624-92-0	0.2	-
Dimethyl ether	Dimethyl ether	C ₂ H ₆ O	115-10-6	1.3	-
Dimethyl phthalate	Dimethyl phthalate	C ₁₀ H ₁₀ O ₄	131-11-3	1	-
Dimethyl sulfate		C ₂ H ₆ O ₄ S		-	-
Dimethyl sulfoxide	Dimethyl sulfoxide	C ₂ H ₆ OS	67-68-5	1	32
Dimethylacetamide N,N-	N,N-dimethylacetamide	C ₄ H ₉ NO	127-19-5	1.3	-
Dimethylacetylene	2-butyne	C ₄ H ₆	503-17-3	1	-
Dimethylaminoethanol, 2-	N,N-dimethylethanolamine	C ₄ H ₁₁ NO	108-01-0	1.5	-
Dimethylaniline, NN-	N,N-dimethylaniline	C ₈ H ₁₁ N	121-69-7	0.6	0.5
Dimethylboron bromide	Dimethylboron bromide	C ₂ H ₆ BBr	5158-50-9	4	-
Dimethylbutyl acetate	4-methyl-2-pentyl acetate	C ₈ H ₁₆ O ₂	108-84-9	1.6	-
Dimethylbutyl acetate, 1,3-		C ₈ H ₁₆ O ₂		-	-
Dimethylcycloheptane, 1,2-	trans-1,2-dimethylcycloheptane	C ₉ H ₁₈	13151-50-3	1.3	-
Dimethylcyclohexane, 1,2-	Dimethylcyclohexane	C ₈ H ₁₆	583-57-3	0.8	0.9
Dimethylcyclopentane	1α,2α-dimethylcyclopentane	C ₇ H ₁₄	1192-18-3	1.2	-
Dimethylethylamine, NN-	N,N-dimethylethylamine	C ₄ H ₁₁ N	598-56-1	3	1.7
Dimethylformamide	N,N-dimethylformamide	C ₃ H ₇ NO	68-12-2	0.8	1.1
Dimethylhydrazine, 1,1-	Dimethylhydrazine	C ₂ H ₈ N ₂	57-14-7	1	-
Dimethyloctan-1-ol, 3,7-	3,7-dimethyloctan-1-ol	C ₁₀ H ₂₂ O	106-21-8	1.2	-
Dimethyloctan-3-ol, 3,7-	Tetrahydrolinalool	C ₁₀ H ₂₂ O	78-69-3	1.2	-
Dimethylpentane, 2,4-	2,4-dimethylpentane	C ₇ H ₁₆	108-08-7	1.0	-
Dimethylsilane	Dimethylsilane	C ₂ H ₆ Si	1111-74-6	2	-
Dimethylthiophosphoryl chloride	Dimethylthiophosphoryl chloride	C ₂ H ₆ ClO ₂ PS	2524-03-0	1	-
Di-n-butylamine	Dibutylamine	C ₈ H ₁₉ N	111-92-2	0.9	4
Di-n-propylamine	Di-n-propylamine	C ₆ H ₁₅ N	142-84-7	1	1.5
Dioxane, 1,4-	Dioxane	C ₄ H ₈ O ₂	123-91-1	1.5	1.7
Dioxolane	1,3-dioxolane	C ₃ H ₆ O ₂	646-06-0	1.8	4.5
Dipentene	d-limonene	C ₁₀ H ₁₆	138-86-3	0.9	0.8
Diphenyl ether	Diphenyl ether	C ₁₂ H ₁₀ O	101-84-8	0.8	1.7
Dipropyl ether	Dipropyl ether	C ₆ H ₁₄ O	111-43-3	0.8	-
Dipropylene glycol	Dipropylene glycol	C ₆ H ₁₄ O ₃	110-98-5	4	-
Disilane	Disilane	Si ₂ H ₆	1590-87-0	2	-

Gas name (displayed name)	Gas name (alias)	Formula	CAS number	Conversion factor (10.6 eV)	Conversion factor (10.0 eV)
Disulfur dibromide	Disulfur dibromide	Br ₂ S ₂	13172-31-1	1.5	-
Di-tert-butyl-p-cresol	2,6-di-tert-butyl-p-cresol	C ₁₅ H ₂₄ O	128-37-0	0.3	-
Divinylbenzene	Divinylbenzene	C ₁₀ H ₁₀	1321-74-0	0.4	0.4
Divinylbenzene, 1,3-	1,3-divinylbenzene	C ₁₀ H ₁₀	108-57-6	0.3	0.25
Dodecene	n-dodecane	C ₁₂ H ₂₆	112-40-3	0.8	-
Epichlorohydrin	Epichlorohydrin	C ₃ H ₅ ClO	106-89-8	3.4	30
Epoxypropyl isopropyl ether, 2,3-	Glycidyl isopropyl ether	C ₆ H ₁₂ O ₂	4016-14-2	1.1	1.1
Estragole	4-allylanisole	C ₁₀ H ₁₂ O	140-67-0	0.7	-
Ethane		C ₂ H ₆		-	-
Ethanol	Ethyl alcohol	C ₂ H ₆ O	64-17-5	8.7	-
Ethanolamine	Monoethanolamine	C ₂ H ₇ NO	141-43-5	3	-
Ethoxy-2-methylpropane, 1-	1-ethoxy-2-methylpropane	C ₆ H ₁₄ O	627-02-1	0.8	-
Ethoxy-2-propanol, 1-	Propylene glycol monoethyl ether	C ₅ H ₁₂ O ₂	1569-02-4	2	-
Ethoxy-butane, 2-	2-ethoxy-butane	C ₆ H ₁₄ O	19316-73-5	0.8	-
Ethoxyethanol, 2-	Ethylene glycol monoethyl ether	C ₄ H ₁₀ O ₂	110-80-5	2	5
Ethoxyethyl acetate, 2-	Ethylene glycol monoethyl ether acetate	C ₆ H ₁₂ O ₃	111-15-9	3	-
Ethyl 2,2,2-trifluoroethyl ether	Ethyl 2,2,2-trifluoroethyl ether	C ₄ H ₇ F ₃ O	461-24-5	5	-
Ethyl 2-methylbutyrate	Ethyl DL-2-methylbutyrate	C ₇ H ₁₄ O ₂	7452-79-1	2	1.8
Ethyl acetate	Ethyl acetate	C ₄ H ₈ O ₂	141-78-6	3.6	40
Ethyl acetoacetate	Ethyl acetoacetate	C ₆ H ₁₀ O ₃	141-97-9	3	-
Ethyl acrylate	Ethyl acrylate	C ₅ H ₈ O ₂	140-88-5	2	15
Ethyl benzoate	Ethyl benzoate	C ₉ H ₁₀ O ₂	93-89-0	0.9	-
Ethyl butyrate	Ethyl butyrate	C ₆ H ₁₂ O ₂	105-54-4	1	3.3
Ethyl chloroformate	Carbonochloridic acid ethyl ester	C ₃ H ₅ O ₂ Cl	541-41-3	83	-
Ethyl cyanoacrylate	Ethyl 2-cyanoacrylate	C ₆ H ₇ O ₂ N	7085-85-0	1.5	-
Ethyl decanoate	Ethyl decanoate	C ₁₂ H ₂₄ O ₂	110-38-3	1.8	-
Ethyl formate	Ethyl formate	C ₃ H ₆ O ₂	109-94-4	29.8	-
Ethyl hexanoate	Ethyl caproate	C ₈ H ₁₆ O ₂	123-66-0	2.6	3.3
Ethyl hexanol, 2-	2-ethyl hexanol	C ₈ H ₁₈ O	104-76-7	1.5	-
Ethyl hexyl acrylate, 2-	2-ethyl hexyl acrylate	C ₁₁ H ₂₀ O ₂	103-11-7	1	-
Ethyl iodide	Ethyl iodide	C ₂ H ₅ I	75-03-6	1.2	0.30
Ethyl isopropyl ketone	2-methyl-3-pentanone	C ₆ H ₁₂ O	565-69-5	0.8	-
Ethyl lactate	Ethyl lactate	C ₅ H ₁₀ O ₃	97-64-3	3	5

Gas name (displayed name)	Gas name (alias)	Formula	CAS number	Conversion factor (10.6 eV)	Conversion factor (10.0 eV)
Ethyl mercaptan	Ethyl mercaptan	C ₂ H ₆ S	75-08-1	0.56	0.55
Ethyl methacrylate	Ethyl methacrylate	C ₆ H ₁₀ O ₂	97-63-2	1.5	1.6
Ethyl methyl carbonate	Ethyl methyl carbonate	C ₄ H ₈ O ₃	623-53-0	1.5	-
Ethyl morpholine, 4-	N-ethyl morpholine	C ₆ H ₁₃ NO	100-74-3	0.6	-
Ethyl octanoate	Ethyl caprylate	C ₁₀ H ₂₀ O ₂	106-32-1	2.3	-
Ethyl perfluorobutyl ether		C ₆ H ₅ F ₉ O		-	-
Ethyl phenyl acetate	Ethyl phenyl acetate	C ₁₀ H ₁₂ O ₂	101-97-3	1.2	-
Ethyl propanoate	Ethyl propanoate	C ₅ H ₁₀ O ₂	105-37-3	2	6
Ethyl propionate		C ₅ H ₁₀ O ₂		-	-
Ethyl tert-butyl ether	Ethyl tert-butyl ether	C ₆ H ₁₄ O	637-92-3	0.6	-
Ethyl-2-methyl benzene, 1-	2-ethyltoluene	C ₉ H ₁₂	611-14-3	0.45	0.5
Ethyl-3-ethoxypropionate	Ethyl-3-ethoxypropionate	C ₇ H ₁₄ O ₃	763-69-9	3	-
Ethylacetylene	Ethylacetylene	C ₄ H ₆	107-00-6	3	-
Ethylamine	Monoethylamine	C ₂ H ₇ N	75-04-7	1	-
Ethylbenzene	Ethyl benzene	C ₈ H ₁₀	100-41-4	0.5	0.6
Ethylcyclohexane	Ethylcyclohexane	C ₈ H ₁₆	1678-91-7	1	1.3
Ethylene	Ethylene	C ₂ H ₄	74-85-1	8	-
Ethylene carbonate	Ethylene carbonate	C ₃ H ₄ O ₃	96-49-1	3	-
Ethylene cyanohydrin		C ₃ H ₅ NO		-	-
Ethylene glycol	Ethylene glycol	C ₂ H ₆ O ₂	107-21-1	20	9
Ethylene glycol diacetate	Ethylene glycol diacetate	C ₆ H ₁₀ O ₄	111-55-7	4	-
Ethylene glycol monopropyl ether	2-propoxyethanol	C ₅ H ₁₂ O ₂	2807-30-9	3	-
Ethylene oxide	Ethylene oxide	C ₂ H ₄ O	75-21-8	15	-
Ethylenediamine	Ethylenediamine	C ₂ H ₆ N ₂	107-15-3	0.8	10
Ethyleneimine	Ethyleneimine	C ₂ H ₅ N	151-56-4	2	-
Ethylhexanal, 2-	2-ethylhexanal	C ₈ H ₁₆ O	123-05-7	1.5	-
Ethylhexanoic acid, 2-	2-ethylhexanoic acid	C ₈ H ₁₆ O ₂	149-57-5	2.0	16
Ethylhexenal, 2-	2-ethyl hexanol	C ₈ H ₁₄ O	645-62-5	1.3	-
Eucalyptol	1,8-cineole	C ₁₀ H ₁₈ O	470-82-6	0.6	-
Eugenol	Eugenol	C ₁₀ H ₁₂ O ₂	97-53-0	0.4	-
Eugenol methyl ether	Eugenol methyl ether	C ₁₁ H ₁₄ O ₂	93-15-2	0.4	-
Fenchol	Fenchyl alcohol	C ₁₀ H ₁₈ O	1632-73-1	0.4	-
Ferrocene	Ferrocene	C ₁₀ H ₁₀ Fe	102-54-5	0.8	-
Fluoro-2-propanone, 1-		C ₃ H ₅ FO		-	-

Gas name (displayed name)	Gas name (alias)	Formula	CAS number	Conversion factor (10.6 eV)	Conversion factor (10.0 eV)
Fluorobenzene	Fluorobenzene	C ₆ H ₅ F	462-06-6	0.8	0.83
Fluorobenzoic acid, 4-	4-fluorobenzoic acid	C ₇ H ₅ FO ₂	456-22-4	2	-
Formamide	Formamide	CH ₃ ON	75-12-7	2	-
Formaldehyde		CH ₂ O		-	-
Formic acid		CH ₂ O ₂		-	-
Furan	Furan	C ₄ H ₄ O	110-00-9	0.4	-
Furfural	Furfural	C ₅ H ₄ O ₂	98-01-1	0.82	-
Furfuryl alcohol	Furfuryl alcohol	C ₅ H ₆ O ₂	98-00-0	2	-
Furfuryl mercaptan	Furfuryl mercaptan	C ₅ H ₆ OS	98-02-2	0.5	-
Gasoline	Gasoline		8006-61-9	0.8	1
Geranial	Geranial	C ₁₀ H ₁₆ O	141-27-5	0.6	-
Geraniol	Geraniol	C ₁₀ H ₁₈ O	106-24-1	0.7	-
Geranyl acetate	Geranyl acetate	C ₁₂ H ₂₀ O ₂	105-87-3	1.2	-
Germane	Germane	GeH ₄	7782-65-2	10	-
Glutaraldehyde	Glutaraldehyde	C ₅ H ₈ O ₂	111-30-8	0.9	-
Glycidol		C ₃ H ₆ O ₂		-	-
Glycidyl methacrylate	Glycidyl methacrylate	C ₇ H ₁₀ O ₃	106-91-2	1.2	-
Glycolaldehyde	Hydroxyacetaldehyde	C ₂ H ₄ O ₂	141-46-8	5.0	-
Glyoxal	Glyoxal	C ₂ H ₂ O ₂	107-22-2	1	-
Guaiacol	Guaiacol	C ₇ H ₈ O ₂	90-05-1	0.8	-
Halothane		CF ₃ CHBrCl		-	-
Heptan-2-one	Methyl amyl ketone	C ₇ H ₁₄ O	110-43-0	0.7	0.97
Heptan-3-one	3-heptanone	C ₇ H ₁₄ O	106-35-4	0.8	0.81
Heptane	Normal heptane	C ₇ H ₁₆	142-82-5	1.6	11
Heptanol	Heptanol	C ₇ H ₁₆ O	53535-33-4	1.7	-
Heptene, 1-	1-heptene	C ₇ H ₁₄	592-76-7	0.9	1.1
Heptylcyclopentan-1-one, 2-	2-heptylcyclopentanone	C ₁₂ H ₂₂ O	137-03-1	0.8	-
Heptyne, 1-	1-heptyne	C ₇ H ₁₂	628-71-7	2	-
Hex-1-en-3-ol	1-hexen-3-ol	C ₆ H ₁₂ O	4798-44-1	0.9	-
Hexachlorodisilane	Hexachlorodisilane	Cl ₆ Si ₂	13465-77-5	8	-
Hexachloroethane		C ₂ Cl ₆		-	-
Hexafluoropropylene		C ₃ F ₆		-	-
Hexamethyldisilazane, 1,1,1,3,3,3-	Hexamethyldisilazane	C ₆ H ₁₉ NSi ₂	999-97-3	1	-
Hexamethyldisiloxane	Hexamethyldisiloxane	C ₆ H ₁₈ OSi ₂	107-46-0	0.3	-

Gas name (displayed name)	Gas name (alias)	Formula	CAS number	Conversion factor (10.6 eV)	Conversion factor (10.0 eV)
Hexamethylene diisocyanate	Hexamethylene diisocyanate	$C_6H_{12}N_2O_2$	822-06-0	1.5	-
Hexan-2-one	Methyl n-butyl ketone	$C_6H_{12}O$	591-78-6	0.8	0.7
Hexane	Normal hexane	C_6H_{14}	110-54-3	2.6	13
Hexanoic acid	n-Caproic acid	$C_6H_{12}O_2$	142-62-1	3	-
Hexanol	Normal hexyl alcohol	$C_6H_{14}O$	111-27-3	2	7
Hexene, 1-	1-hexene	C_6H_{12}	592-41-6	0.9	1.1
Hexenyl acetate, cis-3-	cis-3-hexenyl acetate	$C_8H_{14}O_2$	3681-71-8	1.5	1.2
Hexenyl butyrate, cis-3-	cis-3-hexenyl butyrate	$C_{10}H_{18}O_2$	16491-36-4	1.5	-
Hexylaldehyde	Hexylaldehyde	$C_6H_{12}O$	66-25-1	0.6	1.8
Hydrazine	Hydrazine	H_4N_2	302-01-2	3	-
Hydrogen iodide	Hydrogen iodide	HI	10034-85-2	5	-
Hydrogen selenide	Hydrogen selenide	H_2Se	7783-07-5	2	-
Hydrogen sulfide	Hydrogen sulfide	H_2S	7783-06-4	4	-
Hydrogen telluride	Hydrogen telluride	H_2Te	7783-09-7	1.5	-
Hydroxybutanal, 3-	3-hydroxybutanal	$C_4H_8O_2$	107-89-1	2.0	-
Hydroxycitronellal	Hydroxycitronellal	$C_{10}H_{20}O_2$	107-75-5	1	-
Hydroxyethyl acrylate	2-hydroxyethyl acrylate	$C_5H_8O_3$	818-61-1	1.2	-
Hydroxylamine	Hydroxylamine	H_3NO	7803-49-8	2	-
Hydroxypropyl acrylate, 2-	2-hydroxypropyl acrylate	$C_6H_{10}O_3$	999-61-1	1.5	-
Indene	Indene	C_9H_8	95-13-6	0.5	0.4
Indole	Indole	C_8H_7N	120-72-9	0.4	-
Iodine	Iodine	I_2	7553-56-2	0.2	0.1
Iodobenzene	Iodobenzene	C_6H_5I	591-50-4	0.2	-
Iodoethene	Iodoethene	C_2H_3I	593-66-8	1.2	-
Iodoform	Iodoform	CHI_3	75-47-8	1.5	-
Iodomethane	Methyl iodide	CH_3I	74-88-4	0.4	-
Isoalkanes, C10-C13	Isoalkanes (C10-C13)		68551-17-7	1	-
Isoamyl acetate	Isoamyl acetate	$C_7H_{14}O_2$	123-92-2	1.6	6
Isoamyl salicilate	Isoamyl salicilate	$C_{12}H_{16}O_3$	87-20-7	1	-
Isoamylene	Isoamylene	C_5H_{10}	513-35-9	1	0.86
Isobornyl acetate	Isobornyl acetate	$C_{12}H_{20}O_2$	125-12-2	0.4	-
Isobutane	Isobutane	C_4H_{10}	75-28-5	8	-
Isobutanol	Isobutyl alcohol	$C_4H_{10}O$	78-83-1	3.5	13

Gas name (displayed name)	Gas name (alias)	Formula	CAS number	Conversion factor (10.6 eV)	Conversion factor (10.0 eV)
Isobutyl acetate	Isobutyl acetate	C ₆ H ₁₂ O ₂	110-19-0	2.3	10
Isobutyl acrylate	Isobutyl acrylate	C ₇ H ₁₂ O ₂	106-63-8	1.3	5
Isobutylbenzene	Isobutylbenzene	C ₁₀ H ₁₄	538-93-2	0.4	0.4
Isobutylene	Isobutylene	C ₄ H ₈	115-11-7	1	1
Isobutylene epoxide	Isobutylene oxide	C ₄ H ₈ O	558-30-5	3	-
Isobutyraldehyde	Isobutyraldehyde	C ₄ H ₈ O	78-84-2	1.2	-
Isobutyric acid	Isobutyric acid	C ₄ H ₈ O ₂	79-31-2	4	15
Isodecanol	Isodecyl alcohol	C ₁₀ H ₂₂ O	25339-17-7	0.9	-
Isoeugenol	Isoeugenol	C ₁₀ H ₁₂ O ₂	97-54-1	0.4	-
Isoflurane		C ₃ H ₂ ClF ₅ O		-	-
Isoheptane	2-methylhexane	C ₇ H ₁₆	591-76-4	1.2	-
Isojasmone	Dihydro isojoasmone	C ₁₁ H ₁₈ O	95-41-0	0.7	-
Isomenthone	(+/-)-Isomenthone	C ₁₀ H ₁₈ O	1196-31-2	0.6	-
Isononanal	3,5,5-trimethylhexanaldehyde	C ₉ H ₁₈ O	5435-64-3	9.0	1.4
Isononanol	3,5,5-trimethyl-1-hexanol	C ₉ H ₂₀ O	3452-97-9	1.5	-
Isooctane	2,3,4-trimethylpentane	C ₈ H ₁₈	565-75-3	0.74	3.2
Isooctanol	Isooctanol	C ₈ H ₁₈ O	26952-21-6	1.7	-
Isopentane	Isopentane	C ₅ H ₁₂	78-78-4	4.0	-
Isopentene	2-methyl-1-butene	C ₅ H ₁₀	563-46-2	0.8	-
Isopentanol		C ₅ H ₁₂ O		-	-
Isophorone	Isophorone	C ₉ H ₁₄ O	78-59-1	0.8	1.0
Isophorone diisocyanate	Isophorone diisocyanate	C ₁₂ H ₁₈ N ₂ O ₂	4098-71-9	0.6	-
Isoprene	Isoprene	C ₅ H ₈	78-79-5	0.8	-
Isopropanol	Isopropyl alcohol	C ₃ H ₈ O	67-63-0	4.4	25
Isopropanolamine	Monoisopropanolamine	C ₃ H ₉ NO	78-96-6	1.5	-
Isopropoxyethanol, 2-	Ethylene glycol monoisopropyl ether	C ₅ H ₁₂ O ₂	109-59-1	1.5	1.5
Isopropyl acetate	Isopropyl acetate	C ₅ H ₁₀ O ₂	108-21-4	2.2	8
Isopropyl chloroformate	Isopropyl chloroformate	C ₄ H ₇ O ₂ Cl	108-23-6	1.6	-
Isopropyl mercaptan	2-propanethiol	C ₃ H ₆ S	75-33-2	0.56	-
Isopropyl nitrite	Isopropyl nitrite	C ₃ H ₇ NO ₂	541-42-4	4	-
Isopropylamine	Isopropylamine	C ₃ H ₉ N	75-31-0	1.2	1
Isopropylaminoethanol, 2-	2-isopropylaminoethanol	C ₅ H ₁₃ NO	109-56-8	2	-
Isopropylcyclohexane	Isopropylcyclohexane	C ₉ H ₁₈	696-29-7	0.9	1.1

Gas name (displayed name)	Gas name (alias)	Formula	CAS number	Conversion factor (10.6 eV)	Conversion factor (10.0 eV)
Isothiazole	Isothiazole	C ₃ H ₃ NS	288-16-4	3	-
Isovaleraldehyde	Isovaleraldehyde	C ₅ H ₁₀ O	590-86-3	1.3	1.5
Isovaleric acid	Isovaleric acid	C ₅ H ₁₀ O ₂	503-74-2	3.0	25
Isoxazole	Isoxazole	C ₃ H ₃ NO	288-14-2	6	-
Jasmal	1,3-nonanediol acetate	C ₁₁ H ₂₂ O ₃	1322-17-4	1.4	-
Jasmone, cis-	cis-Jasmone	C ₁₁ H ₁₆ O	488-10-8	0.5	-
Jet Fuel JP-4	JP-4			0.8	0.7
Jet Fuel JP-5	JP-5			0.7	0.6
Jet Fuel JP-8	JP-8			0.7	0.6
Kerosene	Kerosene		8008-20-6	0.8	0.7
Ketene	Ketene	C ₂ H ₂ O	463-51-4	3	-
Linalool oxide	2,2,6-trimethyl-6-vinyltetrahydropyran-3-ol	C ₁₀ H ₁₈ O ₂	14049-11-7	0.6	-
Linalyl acetate	Linalyl acetate	C ₁₂ H ₂₀ O ₂	115-95-7	0.9	-
Maleic anhydride	Maleic anhydride	C ₄ H ₂ O ₃	108-31-6	2	-
Methanol		CH ₄ O		-	-
Menthol	Menthol	C ₁₀ H ₂₀ O	1490-04-6	0.5	-
Menthone	Menthone	C ₁₀ H ₁₈ O	89-80-5	0.4	-
Mercaptoacetic acid	Thioglycolic acid	C ₂ H ₄ O ₂ S	68-11-1	1	-
Metaldehyde	Metaldehyde	C ₈ H ₁₆ O ₄	108-62-3	2.0	-
Methacrylamide	Methacrylamide	C ₄ H ₇ NO	79-39-0	2.0	-
Methacrylic acid	Methacrylic acid	C ₄ H ₆ O ₂	79-41-4	2.3	-
Methacrylonitrile	Methacrylonitrile	C ₄ H ₅ N	126-98-7	5	-
Methanol	Methyl alcohol	CH ₄ O	67-56-1	200	-
Methoxy-1-butanol, 3-	3-methoxy-1-butanol	C ₅ H ₁₂ O ₂	2517-43-3	3	-
Methoxy-1-propanol, 2-	2-methoxy-1-propanol	C ₄ H ₁₀ O ₂	1589-47-5	2	-
Methoxy-2,2-dimethylpropane	Methoxy-2,2-dimethylpropane	C ₆ H ₁₄ O	1118-00-9	0.7	-
Methoxybutyl acetate, 3-	Methoxybutyl acetate	C ₇ H ₁₄ O ₃	4435-53-4	2	-
Methoxyethane	Ethyl methyl ether	C ₃ H ₈ O	540-67-0	1.0	-
Methoxyethanol, 2-	Ethylene glycol monomethyl ether	C ₃ H ₈ O ₂	109-86-4	2.7	-
Methoxyethene	Methyl vinyl ether	C ₃ H ₆ O	107-25-5	1	-
Methoxyethoxyethanol, 2-	Diethylene glycol monomethyl ether	C ₅ H ₁₂ O ₃	111-77-3	1.4	-
Methoxyethyl acetate	Ethylene glycol monoethyl ether acetate	C ₅ H ₁₀ O ₃	110-49-6	2.7	-
Methoxyethyl acetate, 2-		C ₅ H ₁₀ O ₃		-	-
Methoxyethyl ether, 2-	Diethylene glycol dimethyl ether	C ₆ H ₁₄ O ₃	111-96-6	0.8	-

Gas name (displayed name)	Gas name (alias)	Formula	CAS number	Conversion factor (10.6 eV)	Conversion factor (10.0 eV)
Methoxymethylethoxy-2-propanol	Dipropylene glycol methyl ether	C ₇ H ₁₆ O ₃	34590-94-8	1.3	-
Methoxypropan-2-ol, 1-	Propyleneglycol monomethyl ether	C ₄ H ₁₀ O ₂	107-98-2	2	2.7
Methoxypropane, 2-	2-methoxypropane	C ₄ H ₁₀ O	598-53-8	0.9	-
Methoxypropyl acetate	Propylene glycol monomethyl ether acetate	C ₆ H ₁₂ O ₃	108-65-6	1.2	2.1
Methyl 2-methylpropanoate	Methyl isobutyrate	C ₅ H ₁₀ O ₂	547-63-7	2	-
Methyl acetate	Methyl acetate	C ₃ H ₆ O ₂	79-20-9	5.2	-
Methyl acetoacetate	Methyl acetoacetate	C ₅ H ₈ O ₃	105-45-3	3	-
Methyl acrylate	Methyl acrylate	C ₄ H ₆ O ₂	96-33-3	3.4	80
Methyl anthranilate	Methyl anthranilate	C ₈ H ₉ NO ₂	134-20-3	0.4	-
Methyl benzoate	Methyl benzoate	C ₈ H ₈ O ₂	93-58-3	1.2	-
Methyl bromide	Methyl bromide	CH ₃ Br	74-83-9	1.9	-
Methyl cyanoacrylate		C ₅ H ₅ O ₂ N		-	-
Methyl dimethylacrylate	Methyl 3,3-dimethylacrylate	C ₆ H ₁₀ O ₂	924-50-5	2.5	-
Methyl ethyl ketone	Methyl ethyl ketone	C ₄ H ₈ O	78-93-3	0.8	2
Methyl ethyl ketone peroxides	Methyl ethyl ketone peroxides	C ₈ H ₁₈ O ₆	1338-23-4	0.8	-
Methyl heptyne carbonate	Methyl-2-octinoat	C ₉ H ₁₄ O ₂	111-12-6	1.3	-
Methyl ionone	Methyl ionone	C ₁₄ H ₂₂ O	1335-46-2	0.4	-
Methyl isobutyl ketone	Methyl isobutyl ketone	C ₆ H ₁₂ O	108-10-1	0.8	1.01
Methyl isocyanate	Methyl isocyanate	C ₂ H ₃ NO	624-83-9	5	-
Methyl isopropyl ketone	Methyl isopropyl ketone	C ₅ H ₁₀ O	563-80-4	0.8	0.96
Methyl isothiocyanate	Methyl isothiocyanate	C ₂ H ₃ NS	556-61-6	0.6	-
Methyl mercaptan	Methyl mercaptan	CH ₄ S	74-93-1	0.7	0.6
Methyl methacrylate	Methyl methacrylate	C ₅ H ₈ O ₂	80-62-6	1.6	2.1
Methyl perfluorobutyl ether		C ₅ H ₃ F ₉ O		-	-
Methyl phenyl acetate	Methyl phenyl acetate	C ₉ H ₁₀ O ₂	101-41-7	0.4	-
Methyl propargyl ether	Methyl propargyl ether	C ₄ H ₆ O	627-41-8	2	-
Methyl propionate	Methyl propionate	C ₄ H ₈ O ₂	554-12-1	1.5	36
Methyl propynoate	Methyl propynoate	C ₄ H ₄ O ₂	922-67-8	10	-
Methyl salicylate	Methyl salicylate	C ₈ H ₈ O ₃	119-36-8	0.8	-
Methyl sulfide	Dimethyl sulfide	C ₂ H ₆ S	75-18-3	0.5	0.7
Methyl tert-butyl ether	Methyl tert-butyl ether	C ₅ H ₁₂ O	1634-04-4	0.8	1.02
Methyl thiocyanate	Methyl thiocyanate	C ₂ H ₃ NS	556-64-9	2	-
Methyl thioglyconate	Methyl thioglyconate	C ₃ H ₆ O ₂ S	2365-48-2	1	-

Gas name (displayed name)	Gas name (alias)	Formula	CAS number	Conversion factor (10.6 eV)	Conversion factor (10.0 eV)
Methyl undecanal, 2-	2-methyl undecanal	C ₁₂ H ₂₄ O	110-41-8	1.1	-
Methyl vinyl ketone	Methyl vinyl ketone	C ₄ H ₆ O	78-94-4	0.6	-
Methyl-1-butene, 3-	3-methyl-1-butene	C ₅ H ₁₀	563-45-1	0.8	-
Methyl-2-butanol, 3-	3-methyl-2-butanol	C ₅ H ₁₂ O	598-75-4	3.3	-
Methyl-2-hexenoic acid, trans-3-	trans-3-methyl-2-hexenoic acid	C ₇ H ₁₂ O ₂	27960-21-0	1.5	-
Methyl-2-propen-1-ol, 2-	β-Methylalyl alcohol	C ₄ H ₈ O	513-42-8	1.1	1.6
Methyl-2-pyrrolidinone, N-	N-methyl-2-pyrrolidinone	C ₅ H ₉ NO	872-50-4	0.9	-
Methyl-5-hepten-2-one, 6-	6-methyl-5-hepten-2-one	C ₈ H ₁₄ O	110-93-0	0.8	0.76
Methylamine	Monomethylamine	CH ₅ N	74-89-5	1.4	-
Methylbutan-1-ol, 3-	Isoamyl alcohol	C ₅ H ₁₂ O	123-51-3	3	10
Methylbutanal, 2-	2-methylbutyraldehyde	C ₅ H ₁₀ O	96-17-3	1.5	1.3
Methylbutanol	2-methylbutanol	C ₅ H ₁₂ O	137-32-6	1.5	-
Methylbutyric acid, 2-	DL-2-methylbutyric acid	C ₅ H ₁₀ O ₂	116-53-0	3.5	20
Methylchloroformate		C ₂ H ₃ O ₂ Cl		-	-
Methylcyclohexane	Methylcyclohexane	C ₇ H ₁₄	108-87-2	1.1	1
Methylcyclohexanol	Methylcyclohexanol	C ₇ H ₁₄ O	25639-42-3	2.4	-
Methylcyclohexanol, 4-	4-methylcyclohexanol	C ₇ H ₁₄ O	589-91-3	2.4	-
Methylcyclohexanone, 2-	2-methylcyclohexanone	C ₇ H ₁₂ O	583-60-8	1	-
Methylcyclopentane	Methylcyclopentane	C ₆ H ₁₂	96-37-7	1.5	-
Methylenepentane, 3-	2-ethyl-1-butene	C ₆ H ₁₂	760-21-4	0.8	-
Methylheptan-3-one, 5-	5-methylheptan-3-one	C ₈ H ₁₆ O	541-85-5	0.8	0.88
Methylhexan-2-one, 5-	Methyl isoamyl ketone	C ₇ H ₁₄ O	110-12-3	0.8	0.91
Methylhydrazine	Monomethylhydrazine	CH ₆ N ₂	60-34-4	1.3	-
Methylpent-3-en-2-one, 4-	Mesityl oxide	C ₆ H ₁₀ O	141-79-7	0.7	0.66
Methylpentan-2-ol, 4-	4-methylpentan-2-ol	C ₆ H ₁₄ O	108-11-2	2.8	3
Methylpentane, 2-	2-methylpentane	C ₆ H ₁₄	107-83-5	1.5	34
Methylpentane, 3-	3-methylpentane	C ₆ H ₁₄	96-14-0	1.5	24
Methylpentane-2,4-diol, 2-	2-methylpentane-2,4-diol	C ₆ H ₁₄ O ₂	107-41-5	4	-
Methylpropanoyl chloride, 2-	Isobutyrylchlorid	C ₄ H ₇ ClO	79-30-1	6	-
Methylpyrrole, N-	1-methylpyrrole	C ₅ H ₇ N	96-54-8	0.5	0.8
Methylstyrene	Vinyltoluene	C ₉ H ₁₀	25013-15-4	0.5	0.5
Methylthiopropional, 3-	3-methylthiopropional	C ₄ H ₈ OS	3268-49-3	2	-
Mineral oil	Mineral oil		8042-47-5	0.8	0.7

Gas name (displayed name)	Gas name (alias)	Formula	CAS number	Conversion factor (10.6 eV)	Conversion factor (10.0 eV)
Mineral spirits	Mineral spirits		64475-85-0	0.8	0.7
Monoisobutanolamine	2-amino-2-methyl-1-propanol	C ₄ H ₁₁ NO	124-68-5	1.6	-
Morpholine	Morpholine	C ₄ H ₉ NO	110-91-8	2	2
Myrcene	Myrcene	C ₁₀ H ₁₆	123-35-3	0.5	-
Naphtha, hydrotreated heavy	Hydrotreated heavy naphtha	C _n H _(2n+2)	64742-48-9	1.0	-
Naphthalene	Naphthalene	C ₁₀ H ₈	91-20-3	0.4	0.4
Naphthol methyl ether, 2-	β-naphthyl methyl ether	C ₁₁ H ₁₀ O	93-04-9	0.5	-
Neopentane	Neopentane	C ₅ H ₁₂	463-82-1	3.0	-
Neopentyl alcohol	2,2-dimethyl-1-propanol	C ₅ H ₁₂ O	75-84-3	2.0	-
Nitric oxide	Nitrogen monoxide	NO	10102-43-9	8	-
Nitrobenzene	Nitrobenzene	C ₆ H ₅ NO ₂	98-95-3	1.7	-
Nitroethane		C ₂ H ₅ NO ₂		-	-
Nitrogen dioxide	Nitrogen dioxide	NO ₂	10102-44-0	10	-
Nitromethane		CH ₃ NO ₂		-	-
Nitropropane, 2-		C ₃ H ₇ NO ₂		-	-
N-Methylolacrylamide	N-(hydroxymethyl)acrylamide	C ₄ H ₇ NO ₂	924-42-5	2.0	-
Nonane	Nonane	C ₉ H ₂₀	111-84-2	1.3	4.7
Nonanol (mixed isomers)	n-nonanol	C ₉ H ₂₀ O	143-08-8	1.2	-
Nonene (mixed isomers)	Nonene	C ₉ H ₁₈	27215-95-8	0.8	-
Nonene, 1-	1-nonene	C ₉ H ₁₈	124-11-8	0.55	-
Norbornadiene, 2,5-	Bicyclo[2.2.1]hepta-2,5-diene	C ₇ H ₈	121-46-0	0.6	0.70
Octamethyltrisiloxane	Octamethyltrisiloxane	C ₈ H ₂₄ O ₂ Si ₃	107-51-7	0.3	-
Octane	Normal octane	C ₈ H ₁₈	111-65-9	1.3	7
Octanol (mixed isomers)	1-octanol	C ₈ H ₁₈ O	111-87-5	1.5	-
Octene (mixed isomers)	Octene	C ₈ H ₁₆	25377-83-7	0.9	-
Octene, 1-	1-octene	C ₈ H ₁₆	111-66-0	0.58	1.1
Oxalyl bromide	Oxalyl bromide	C ₂ Br ₂ O ₂	15219-34-8	5	-
Oxydiethanol, 2,2-	Diethylene glycol	C ₄ H ₁₀ O ₃	111-46-6	2.0	-
Paraffin wax, fume	Paraffin wax		8002-74-2	1	-
Paraffins, normal	Normal paraffins		64771-72-8	1	-
Paraldehyde	Paraldehyde	C ₆ H ₁₂ O ₃	123-63-7	2.0	4.8
Pentacarbonyl iron	Pentacarbonyl iron	FeC ₅ O ₅	13463-40-6	1	-
Pentan-2-one	2-pentanone	C ₅ H ₁₀ O	107-87-9	0.8	1.03
Pentan-3-one	Diethyl ketone	C ₅ H ₁₀ O	96-22-0	0.8	0.75

Gas name (displayed name)	Gas name (alias)	Formula	CAS number	Conversion factor (10.6 eV)	Conversion factor (10.0 eV)
Pentanal	Pentanal	C ₅ H ₁₀ O	110-62-3	1.2	1.75
Pentandione, 2,4-	2,4-pentandione	C ₅ H ₈ O ₂	123-54-6	0.8	0.85
Pentane	Normal pentane	C ₅ H ₁₂	109-66-0	5	-
Pentanoic acid	Pentanoic acid	C ₅ H ₁₀ O ₂	109-52-4	4	52
Pentanol, 2-	2-pentanol	C ₅ H ₁₂ O	6032-29-7	1.5	16
Pentanol, 3-	3-pentanol	C ₅ H ₁₂ O	584-02-1	1.5	3.5
Pentene, 1-	1-pentene	C ₅ H ₁₀	109-67-1	1.3	1.00
Pentylcyclopentan-1-one, 2-	2-pentylcyclopentan-1-one	C ₁₀ H ₁₈ O	4819-67-4	1	-
Pentylcyclopentane	Pentylcyclopentane	C ₁₀ H ₂₀	3741-00-2	1.1	-
Pentyne, 1-	1-pentyne	C ₅ H ₈	627-19-0	3	-
Peracetic acid	Peracetic acid	C ₂ H ₄ O ₃	79-21-0	2	-
Perfluorobutadiene	Hexafluoro-1,3-butadiene	C ₄ F ₆	685-63-2	3	-
Perfluoro-tert-butylamine	Perfluoro-tert-butylamine	C ₄ H ₂ F ₉ N	2809-92-9	5	-
Petroleum ether	Petroleum ether		8032-32-4	0.9	-
Phellandrene	p-mentha-1,5-diene	C ₁₀ H ₁₆	99-83-2	0.8	-
Phenethyl methyl ether, 2-	2-phenethyl methyl ether	C ₉ H ₁₂ O	3558-60-9	0.6	-
Phenol	Phenol	C ₆ H ₆ O	108-95-2	1.2	1.1
Phenoxyethanol, 2-	2-phenoxyethanol	C ₈ H ₁₀ O ₂	122-99-6	0.5	10
Phenyl chloroformate	Phenyl chloroformate	C ₇ H ₅ ClO ₂	1885-14-9	1.1	-
Phenyl ethyl isobutyrate, 2-	2-phenyl ethyl isobutyrate	C ₁₂ H ₁₆ O ₂	103-48-0	1.5	-
Phenyl propene, 2-	α-methylstyrene	C ₉ H ₁₀	98-83-9	0.4	0.4
Phenyl-2,3-epoxypropyl ether	Glycidyl phenyl ether	C ₉ H ₁₀ O ₂	122-60-1	0.8	-
Phenylacetaldehyde	Phenylacetaldehyde	C ₈ H ₈ O	122-78-1	0.7	-
Phenylacetic acid	Phenylacetic acid	C ₈ H ₈ O ₂	103-82-2	1	-
Phenylcyclohexane	Phenylcyclohexane	C ₁₂ H ₁₆	827-52-1	0.4	-
Phenylethyl acetate, 1-	1-phenylethyl acetate	C ₁₀ H ₁₂ O ₂	93-92-5	0.7	-
Phenylethyl alcohol, 2-	β-phenyl ethyl alcohol	C ₈ H ₁₀ O	60-12-8	1.2	-
Phosphine	Phosphine	PH ₃	7803-51-2	2	-
Picoline, 3-	β-picoline	C ₆ H ₇ N	108-99-6	0.9	0.8
Pine oil	Pine oil		8002-09-3	1	-
Pinene, α-	α-pinene	C ₁₀ H ₁₆	80-56-8	0.27	0.48
Pinene, β-	β-pinene	C ₁₀ H ₁₆	127-91-3	0.27	0.59
Piperazine	Piperazine anhydrous	C ₄ H ₁₀ N ₂	110-85-0	0.8	-

Gas name (displayed name)	Gas name (alias)	Formula	CAS number	Conversion factor (10.6 eV)	Conversion factor (10.0 eV)
Piperidine	Piperidine	C ₅ H ₁₁ N	110-89-4	0.9	0.8
Piperylene	1,3-pentadiene	C ₅ H ₈	504-60-9	0.7	1.0
Prop-2-yn-1-ol	2-propyn-1-ol	C ₃ H ₄ O	107-19-7	2.9	-
Propadiene	Propadiene	C ₃ H ₄	463-49-0	1	-
Propan-1-ol	Normal propyl alcohol	C ₃ H ₈ O	71-23-8	4.8	40
Propanamide	Propanamide	C ₃ H ₇ NO	79-05-0	2	-
Propane		C ₃ H ₈		-	-
Propane-1,2-diol	Propylene glycol	C ₃ H ₈ O ₂	57-55-6	3	-
Propanolamine	3-amino-1-propanol	C ₃ H ₉ NO	156-87-6	1.5	-
Propargyl chloride	Propargyl chloride	C ₃ H ₃ Cl	624-65-7	2	-
Propen-1-imine, 2-	2-propen-1-imine	C ₃ H ₅ N	73311-40-7	2	-
Propene	Propylene	C ₃ H ₆	115-07-1	1.4	2
Propiolic acid	Propiolic acid	C ₃ H ₂ O ₂	471-25-0	8	-
Propionaldehyde	Propionaldehyde	C ₃ H ₆ O	123-38-6	1.7	-
Propionic acid	Propionic acid	C ₃ H ₆ O ₂	79-09-4	8	-
Propionitrile		C ₃ H ₅ NO		-	-
Propoxy-2-propanol, 1-	Propylene glycol monopropyl ether	C ₆ H ₁₄ O ₂	1569-01-3	1.1	1.6
Propyl acetate, n-	n-propyl acetate	C ₅ H ₁₀ O ₂	109-60-4	2.5	17
Propyl benzene	1-phenylpropan	C ₉ H ₁₂	103-65-1	0.5	0.55
Propyl benzene, 2-		C ₉ H ₁₂		-	-
Propyl butanoate	Propyl butanoate	C ₇ H ₁₄ O ₂	105-66-8	2.3	2.7
Propyl formate	Propyl formate	C ₄ H ₈ O ₂	110-74-7	10	-
Propyl iodide	Propyl iodide	C ₃ H ₇ I	107-08-4	1	-
Propylamine, n-	Normal propylamine	C ₃ H ₉ N	107-10-8	1	-
Propylbenzene (all isomers)	Propylbenzene (all isomers)	C ₉ H ₁₂	74296-31-4	0.45	-
Propylene carbonate	Propylene carbonate	C ₄ H ₆ O ₃	108-32-7	2	-
Propylene glycol ethyl ether acetate	Propylene glycol monoethyl ether acetate	C ₇ H ₁₄ O ₃	98516-30-4	1.2	-
Propylene oxide	Propylene oxide	C ₃ H ₆ O	75-56-9	2.7	-
Propyleneimine	Propyleneimine	C ₃ H ₇ N	75-55-8	1.3	-
Propylnitrate, n-		C ₃ H ₇ NO ₃		-	-
Propyne	Methylacetylene	C ₃ H ₄	74-99-7	4	-
Pyrazine	Pyrazine	C ₄ H ₄ N ₂	290-37-9	3	-
Pyridine	Pyridine	C ₅ H ₅ N	110-86-1	0.8	0.87

Gas name (displayed name)	Gas name (alias)	Formula	CAS number	Conversion factor (10.6 eV)	Conversion factor (10.0 eV)
Pyridinol, 4-	4-hydroxypyridine	C ₅ H ₅ NO	626-64-2	3	-
Pyridylamine, 2-	2-aminopyridine	C ₅ H ₆ N ₂	504-29-0	0.8	-
Pyrrole	Pyrrole	C ₄ H ₅ N	109-97-7	0.6	-
Pyrrolidine	Pyrrolidine	C ₄ H ₉ N	123-75-1	0.4	20
Pyrvaldehyde	Methylglyoxal	C ₃ H ₄ O ₂	78-98-8	0.7	-
Rose oxide, cis-	4-methyl-2-(2-methyl-1-propenyl)tetrahydropyran	C ₁₀ H ₁₈ O	16409-43-1	0.8	-
Sec-amyl acetate	sec-amyl acetate	C ₇ H ₁₄ O ₂	626-38-0	2	-
Sevoflurane		C ₃ H ₃ F ₇ O		-	-
Stibine	Stibine	SbH ₃	7803-52-3	1.5	-
Styrene	Styrene	C ₈ H ₈	100-42-5	0.35	0.52
Sulfur dioxide		SO ₂		-	-
Terpineol, α-	α-terpineol	C ₁₀ H ₁₈ O	98-55-5	0.8	-
Terpinolene	Terpinolene	C ₁₀ H ₁₆	586-62-9	0.59	0.9
Terpinyl acetate, α-	Terpinyl acetate	C ₁₂ H ₂₀ O ₂	80-26-2	1.2	-
Tert-amyl methyl ether	2-methyl-2-methoxybutane	C ₆ H ₁₄ O	994-05-8	0.8	-
Tert-butanol	tert-butyl alcohol	C ₄ H ₁₀ O	75-65-0	2.6	2.8
Tert-butyl bromide	2-bromo-2-methylpropane	C ₄ H ₉ Br	507-19-7	1.5	1.6
Tert-butyl formate	tert-butyl formate	C ₅ H ₁₀ O ₂	762-75-4	8	-
Tetrachloroethane, 1,1,1,2-		C ₂ H ₂ Cl ₄		-	-
Tetrachloroethane, 1,1,2,2-		C ₂ H ₂ Cl ₄		-	-
Tetrabromoethane, 1,1,2,2-	1,1,2,2-tetrabromoethane	C ₂ H ₂ Br ₄	79-27-6	2	-
Tetracarbonylnickel	Nickel carbonyl	NiC ₄ O ₄	13463-39-3	1	-
Tetrachloroethylene	Perchloroethylene	C ₂ Cl ₄	127-18-4	0.44	0.33
Tetrachloropyridine, 2,3,5,6-	2,3,5,6-tetrachloropyridine	C ₅ HCl ₄ N	2402-79-1	1	-
Tetraethyl orthosilicate	Tetraethoxysilane	C ₈ H ₂₀ O ₄ Si	78-10-4	2	3
Tetraethyllead		C ₈ H ₂₀ Pb			
Tetrafluoroethylene	Tetrafluoroethylene	C ₂ F ₄	116-14-3	15	-
Tetrahydrofuran	Tetrahydrofuran	C ₄ H ₈ O	109-99-9	0.8	-
Tetrahydronaphthalene	Tetrahydronaphthalene	C ₁₀ H ₁₂	119-64-2	0.4	-
Tetrahydropyran	Tetrahydropyran	C ₅ H ₁₀ O	142-68-7	3	-
Tetrahydrothiophene	Tetrahydrothiophene	C ₄ H ₈ S	110-01-0	0.6	0.5
Tetramethyl orthosilicate	Tetramethoxysilane	C ₄ H ₁₂ O ₄ Si	681-84-5	2.0	-
Tetramethyl succinonitrile	Tetramethyl succinonitrile	C ₈ H ₁₂ N ₂	3333-52-6	1	-
Tetramethylbenzene (all isomers)	1,2,4,5-tetramethylbenzene	C ₁₀ H ₁₄	95-93-2	0.3	-

Gas name (displayed name)	Gas name (alias)	Formula	CAS number	Conversion factor (10.6 eV)	Conversion factor (10.0 eV)
Tetramethylbutane, 2,2,3,3-	2,2,3,3-tetramethylbutane	C ₈ H ₁₈	594-82-1	1	-
Tetramethylgermane	Tetramethylgermane	C ₄ H ₁₂ Ge	865-52-1	2	-
Tetramethylguanidine, N,N,N',N'	1,1,3,3-tetramethylguanidine	C ₅ H ₁₃ N ₃	80-70-6	0.6	-
Tetramethylsilane	Tetramethylsilane	C ₄ H ₁₂ Si	75-76-3	2	-
Thioacetic acid	Thioacetic acid	C ₂ H ₄ OS	507-09-5	2	-
Thiocarbonyl fluoride	Difluoromethanethione	CSF ₂	420-32-6	6	-
Thiocyanogen	Thiocyanogen	C ₂ S ₂ N ₂	505-14-6	8	-
Thioformaldehyde trimer	1,3,5-trithiane	C ₃ H ₆ S ₃	291-21-4	1.5	-
Thiophene	Thiophene	C ₄ H ₄ S	110-02-1	0.4	0.5
Thiophosgene	Thiophosgene	CSCl ₂	463-71-8	1	-
Thymol	Thymol	C ₁₀ H ₁₄ O	89-83-8	0.7	-
Titanium-n-propoxide	Titanium (IV) propoxide	C ₁₂ H ₂₈ O ₄ Ti	3087-37-4	3	-
Toluene	Toluene	C ₇ H ₈	108-88-3	0.5	0.60
Toluene-2,4-diisocyanate	Toluene-2,4-diisocyanate	C ₉ H ₆ N ₂ O ₂	584-84-9	1.6	-
Toluenesulfonyl chloride, p-	p-toluenesulfonyl chloride	C ₇ H ₇ SO ₂ Cl	98-59-9	3	-
Toluidine, o-	o-toluidine	C ₇ H ₉ N	95-53-4	0.5	-
Tolylaldehyde, p-	p-tolylaldehyde	C ₈ H ₈ O	104-87-0	0.8	-
Triazine, 1,3,5-	1,3,5-triazine	C ₃ H ₃ N ₃	290-87-9	6	-
Tributyl phosphate	Tributyl phosphate	C ₁₂ H ₂₇ O ₄ P	126-73-8	5	-
Tributylamine	Tributylamine	C ₁₂ H ₂₇ N	102-82-9	1.2	0.6
Trichlorobenzene, 1,2,4-	1,2,4-trichlorobenzene	C ₆ H ₃ Cl ₃	120-82-1	0.6	0.5
Trichloro-2-fluoroethane, 1,1,2-		C ₂ H ₂ Cl ₃ F		-	-
Trichloroethane, 1,1,1-		C ₂ H ₃ Cl ₃		-	-
Trichloroethane, 1,1,2-		C ₂ H ₃ Cl ₃		-	-
Trichloroethylene	Trichloroethylene	C ₂ HCl ₃	79-01-6	0.7	0.8
Trichloropropane 1,2,3-		C ₃ H ₅ Cl ₃		-	-
Trichlorotrifluoroethane, 1,1,1-		C ₂ Cl ₃ F ₃		-	-
Trichlorotrifluoroethane, 1,1,2-		C ₂ Cl ₃ F ₃		-	-
Triethyl phosphate	Triethyl phosphate	C ₆ H ₁₅ O ₄ P	78-40-0	3.5	-
Triethyl silane	Triethyl silane	C ₆ H ₁₆ Si	617-86-7	2	-
Triethylamine	Triethylamine	C ₆ H ₁₅ N	121-44-8	0.9	1.1
Triethylbenzene	Triethylbenzene	C ₁₂ H ₁₈	25340-18-5	0.35	-
Triethylene aluminum	Triethylene aluminum	C ₆ H ₁₅ Al	97-93-8	1	-
Trifluoroethane, 1,1,2-		C ₂ H ₃ F ₃		-	-

Gas name (displayed name)	Gas name (alias)	Formula	CAS number	Conversion factor (10.6 eV)	Conversion factor (10.0 eV)
Trifluoroethanol, 2,2,2-		$C_2H_3F_3O$		-	-
Trifluoroethene	Trifluoroethene	C_2HF_3	359-11-5	5	-
Trifluoroethyl methyl ether, 2,2,2-	2,2,2-trifluoroethyl methyl ether	$C_3H_5F_3O$	460-43-5	10	-
Trifluoriodomethane	Trifluoriodomethane	CF_3I	2314-97-8	2	-
Trimethoxymethane	Methyl orthoformate	$C_4H_{10}O_3$	149-73-5	1	10
Trimethoxyvinylsilane	Vinyltrimethoxysilane	$C_6H_{12}O_3Si$	2768-02-7	1.0	-
Trimethylamine	Trimethylamine	C_3H_9N	75-50-3	0.5	0.5
Trimethylbenzene mixtures	Trimethylbenzene (isomer mixtures)	C_9H_{12}	25551-13-7	0.3	0.3
Trimethylbenzene, 1,3,5-	Trimethylbenzene	C_9H_{12}	108-67-8	0.4	0.5
Trimethylborate	Trimethylborate	$C_3H_6BO_3$	121-43-7	1	-
Trimethylcyclohexane, 1,2,4-	1,2,4-trimethylcyclohexane	C_9H_{18}	2234-75-5	1	-
Trimethylene oxide	Trimethylene oxide	C_3H_6O	503-30-0	1.5	-
Trimethylsilane	Trimethylsilane	$C_3H_{10}Si$	993-07-7	1	-
Trioxane	1,3,5-trioxane	$C_3H_6O_3$	110-88-3	2	-
Turpentine	Turpentine oil	$C_{10}H_{16}$	9005-90-7	0.6	-
TVOC	Total volatile organic compounds			1	1
Undecane	Normal undecane	$C_{11}H_{24}$	1120-21-4	0.9	3.1
Vanillin	Vanillin	$C_8H_8O_3$	121-33-5	1	-
Vinyl acetate	Vinyl acetate	$C_4H_6O_2$	108-05-4	1.1	1.77
Vinyl bromide	Vinyl bromide	C_2H_3Br	593-60-2	1.5	0.9
Vinyl chloride	Vinyl chloride	C_2H_3Cl	75-01-4	2.1	1.9
Vinyl ethyl ether	Vinyl ethyl ether	C_4H_8O	109-92-2	0.6	0.95
Vinyl fluoride	Vinyl fluoride	C_2H_3F	75-02-5	2	-
Vinyl-2-pyrrolidinone, 1-	N-vinyl-2-pyrrolidone	C_6H_9NO	88-12-0	0.9	3.3
Vinylcyclohexene	Vinylcyclohexene	C_8H_{12}	100-40-3	0.7	0.7
Vinylene carbonate	Vinylene carbonate	$C_3H_2O_3$	872-36-6	1	5
Vinylidene difluoride	Vinylidene fluoride monomer	$C_2H_2F_2$	75-38-7	5	-
Vinylsilane	Vinylsilane	C_2H_6Si	7291-09-0	1.5	-
Xylene mixed isomers	Xylene	C_8H_{10}	1330-20-7	0.40	0.59
Xylene, m-	m-xylene	C_8H_{10}	108-38-3	0.4	0.53
Xylene, o-	o-xylene	C_8H_{10}	95-47-6	0.6	0.6
Xylene, p-	p-xylene	C_8H_{10}	106-42-3	0.4	0.59
Xylidine, all	Xylidine (mixtures)	$C_8H_{11}N$	1300-73-8	0.7	0.6