

<i>Gas Name</i>	<i>Formula</i>	<i>Other Names</i>	<i>Abatement Method</i>	<i>Recommended PAS Abatement</i>	<i>Notes</i>
Acetylene	C_2H_2	Ethyne	Incineration	S-DOC or E-DOC-TH-450	Auto-ignites at 325 °C
Ammonia	NH_3	Azane, Hydrogen Nitride	Water / Incineration	E-DOC-SC or E-DOC-TH-1000	For flowrates > 20 LPM, use E-DOC-TH-1000
Arsine	AsH_3	Arsane, Arsenic Trihydride	Dry Adsorption / Incineration	C-DOC or E-DOC-TH-1000	-
Boron Hydride	B_2H_6	Borane, Boroethane	Oxidation	S-DOC	-
Boron Tribromide	BBr_3	Tribromoborane, Boron Bromide	-	-	-
Boron Trichloride	BCl_3	Trichloroborane, Boron Chloride	Water	E-DOC-SC	Forms BO_3 and HCl upon hydrolysis
Boron Trifluoride	BF_3	Trifluoborane, Boron Fluoride	Water	E-DOC-SC	Forms BO_3 and HF upon hydrolysis
Bromine	Br_2	Water	-	E-DOC-SC	Forms HBr upon hydrolysis
Bromine Trifluoride	BrF_3	Bromine Fluoride	Water	E-DOC-SC	Forms HBr and HF upon hydrolysis
Butanone	C_4H_8O	Methyl Ethyl Ketone, MEK, 2-Butanone	Oxidation / Incineration	S-DOC or E-DOC-TH-850	Auto-ignites at 404 °C
Carbon Dioxide	CO_2	Carbonic Anhydride, Carbonic Acid Gas	-	-	-

<i>Gas Name</i>	<i>Formula</i>	<i>Other Names</i>	<i>Abatement Method</i>	<i>Recommended PAS Abatement</i>	<i>Notes</i>
Carbon Hexafluoride	C ₂ F ₆	Hexafluoroethane, Perfluoroethane	Thermal Decomposition	-	-
Carbon Monoxide	CO	Carbonic Oxide, Carbon Oxide	Incineration	E-DOC-TH-850	Auto-ignites at 609 °C
Carbon Octafluoride	C ₃ F ₈ / C ₄ F ₈	Octafluoropropane, Octafluorobutane	Thermal Decomposition	-	-
Carbon Tetrabromide	CBr ₄	Tetrabromomethane	-	-	-
Carbon Tetrachloride	CCl ₄	Tetrachloromethane	Water	E-DOC-SC	Forms CO ₂ and HCl upon hydrolysis
Carbon Tetrafluoride	CF ₄	Tetrafluoromethane	Thermal Decomposition	-	Decomposes at 1100 °C
Chlorine	Cl ₂	Water	-	E-DOC-SC	Forms HCl upon hydrolysis -
Chlorine Dioxide	ClO ₂	Chlorine Oxide, Chlorine Peroxide	Water	E-DOC-SC	Forms HCl upon hydrolysis
Chlorine Trifluoride	ClF ₃	Chlorine Fluoride, Trifluorochlorine	-	-	-
Dichlorosilane	SiH ₂ Cl ₂	Silicic Dichloride Dihydride, DCS	Incineration	E-DOC-TH-450	Auto-ignites at 44 °C
Diethylzinc	C ₄ H ₄ O	DEZ	Oxidation	S-DOC	-
Difluoromethane	CH ₂ F ₂	Methylene Fluoride	Incineration	E-DOC-TH-850	Auto-ignites at 648 °C
Disilane	Si ₂ H ₆	Silicon Hexahydride	Oxidation	S-DOC	-

<i>Gas Name</i>	<i>Formula</i>	<i>Other Names</i>	<i>Abatement Method</i>	<i>Recommended PAS Abatement</i>	<i>Notes</i>
Ethylene Oxide	C ₂ H ₄ O	Oxirane, Dimethylene Oxide	Oxidation / Incineration	S-DOC or E-DOC-TH-850	Auto-ignites at 430 °C
Fluorine	F ₂	Water	-	E-DOC-SC	Forms HF upon hydrolysis
Germane	GeH ₄	Germanium Hydride, Germanomethane	Oxidation / Incineration	S-DOC or E-DOC-TH-1000	-
Hydrobromic Acid	HBr	Hydrogen Bromine	Water	E-DOC-SC	-
Hydrochloric Acid	HCl	Hydrogen Chloride	Water	E-DOC-SC	-
Hydrofluoric Acid	HF	Hydrogen Fluoride	Water	E-DOC-SC	-
Hydrogen	H ₂	Oxidation/Incineration	-	S-DOC or E-DOC-TH-850	Auto-ignites at 566 °C
Hydrogen Sulphide	H ₂ S	Hydrosulfuric Acid, Sulfur Hydride	Water / Incineration	E-DOC-SC or E-DOC-TH-450	Auto-ignites at 270 °C
Isobutane	C ₄ H ₁₀	Methylpropane	Incineration	E-DOC-TH-850	Auto-ignites at 460 °C
Methane	CH ₄	Carbon Tetrahydride, Tetrahydridocarbon	Incineration	E-DOC-TH-850	Auto-ignites at 537 °C
Methylene Chloride	CH ₂ Cl ₂	Dichloromethane, Methylene Dichloride	Water / Incineration	E-DOC-SC or E-DOC-TH-850	Auto-ignites at 556 °C
Methyl Fluoride	CH ₃ F	Fluoromethane	Water	E-DOC-SC	-

<i>Gas Name</i>	<i>Formula</i>	<i>Other Names</i>	<i>Abatement Method</i>	<i>Recommended PAS Abatement</i>	<i>Notes</i>
Nitric Oxide	NO	Nitrogen Monoxide	Water	E-DOC-SC	-
Nitrogen Dioxide	NO ₂ / N ₂ O ₄	Nitrogen Peroxide, Nitrogen Tetroxide	Water	E-DOC-SC	-
Nitrogen Fluoride	NF ₃	Nitrogen Trifluoride, Trifluoramine			
Nitrous Oxide	N ₂ O	Dinitrogen Monoxide			
Ozone	O ₃	-	-	-	-
Phosgene	CCl ₂ O	Carbon Oxychloride, Carbonyl Chloride	Water	E-DOC-SC	Forms CO ₂ and HCl upon hydrolysis
Phosphine	PH ₃	Phosphane, Phosphorous Trihydride	Oxidation / Incineration	S-DOC or E-DOC-TH-450	-
Phosphoryl Chloride	POCl ₃	Phosphorous Oxychloride	Water	E-DOC-SC	Forms PO ₃ and HCl upon hydrolysis
Potassium Hydroxide	KOH	Caustic Potash	Water	E-DOC-SC	-
Silane	SiH ₄	Silicane, Silicon Tetrahydride	Oxidation	S-DOC	-
Silicon Tetrachloride	SiCl ₄	Silicon Chloride, Tetrachlorosilane	Water	E-DOC-SC	Forms SiO ₂ and HCl upon hydrolysis
Sulfur Dioxide	SO ₂	Sulfurous Anhydride	Chemical Reaction	-	Forms H ₂ O and sulfite salt upon reaction

<i>Gas Name</i>	<i>Formula</i>	<i>Other Names</i>	<i>Abatement Method</i>	<i>Recommended PAS Abatement</i>	<i>Notes</i>
Silicon Tetrafluoride	SiF ₄	Silicon Fluoride, Tetrafluorosilane	Water	E-DOC-SC	Forms SiO ₂ and HF upon hydrolysis
Sulfur Hexafluoride	SF ₆	Water	-	E-DOC-SC	-
Tetraethyl Orthosilicate	C ₈ H ₂₀ O ₄ Si	TEOS, Ethyl Silicate, Tetraethoxysilane	Incineration	E-DOC-TH-450	Auto-ignites at 260 °C
Tetrakis(dimethylamino)titanium	C ₈ H ₂₄ N ₄ Ti	TDMAT	Thermal Decomposition	E-DOC-TH-450	Decomposes at about 200 °C
Titanium Tetrachloride	TiCl ₄	Titanic Chloride, Tetrachlorotitanium	Water	E-DOC-SC	Forms TiO ₂ and HCl upon hydrolysis
Toluene	C ₇ H ₈	Methyl Benzene	Incineration	E-DOC-TH-850	Auto-ignites at 480 °C
Tributyl Phosphate	C ₁₂ H ₂₇ O ₄ P	TBP, Phosphoric Acid Tributyl Ester	Water / Thermal Decomposition	E-DOC-SC or E-DOC-TH-450	Decomposes at 290 °C
Trichlorosilane	HSiCl ₃	Silicochloroform	Incineration	E-DOC-TH-450	Auto-ignites at 182 °C
Triethylarsenate	C ₆ H ₁₅ AsO ₄	TEASAT	Oxidation / Incineration	S-DOC or E-DOC-TH-850	-
Triethylborate	C ₆ H ₁₅ BO ₃	Ethyl Borate, Triethoxyborine, TEB	Water	E-DOC-SC	Decomposes in water
Triethylindium	C ₆ H ₁₅ In	Ethyl Indium	Oxidation	S-DOC	-
Triethylphosphate	C ₆ H ₁₅ O ₄ P	TEPO, Ethyl Phosphate	Incineration	E-DOC-TH-850	Auto-ignites at 451 °C

<i>Gas Name</i>	<i>Formula</i>	<i>Other Names</i>	<i>Abatement Method</i>	<i>Recommended PAS Abatement</i>	<i>Notes</i>
Trimethylaluminum	C_3H_9Al	TMA, Ethyl Aluminum	Oxidation	S-DOC	-
Trimethylboron	C_3H_9B	TMB, Methyl Boron, Trimethyl Borane	Water	E-DOC-SC	Decomposes in water
Trimethyl Gallium	C_3H_9Ga	TMG, Trimethylgallane	Oxidation	S-DOC	-
Trimethylindium	C_3H_9In	TMI, Methyl Indium	Oxidation	S-DOC	-
Trimethylsilane	$C_3H_{10}Si$	Trimethylsilyl Hydride	Oxidation / Incineration	S-DOC or E-DOC-TH-450	Auto-ignites at 235 °C
Trisdimethylaminoarsine	$C_6H_{18}N_3As$	TDMA	Oxidation / Dry Adsorption	S-DOC or C-DOC	-
Trisdimethylaminophosphine	$C_6H_{18}N_3P$	TDMP	Oxidation	S-DOC	-
Tungsten Hexafluoride	WF_6	Water	-	E-DOC-SC	Forms WO_3 and HF upon hydrolysis
Xenon Difluoride	XeF_2	Xenon Fluoride	Water	E-DOC-SC	Forms Xe and HF upon hydrolysis