

ALS Hazard Gases

J. Floyd

Chemical Name	Hazard	Physical State	NFPA				AHD Storage			Outside Storage		
			F	T	R	O	Flam/Tox	Tox	Tox/Ox	flam	inert	oxidizer
.145% FLUORINE AND HELIUM	Y	GAS	0	4	4	W			x			
1,1,1-TRIFLUOROETHANE	Y	GAS	4	0	1					x		
1,1,1-TRIFLUOROPROPANE	N	GAS									x	
1,1-DIFLUOROETHANE	Y	GAS	4							x		
1,3 BUTADIENE	Y	GAS	4	4	2		x					
1-CHLORO 1,1-DIFLUOROETHANE	Y	GAS									x	
1-FLUOROBUTANE	N	GAS									x	
2,2 DIFLUOROPROPANE	N	GAS									x	
20% CARBON MONOXIDE AND 80% ARGON	Y	GAS	4	2	0		x					
2-FLUOROPROPANE	N	GAS									x	
2-METHYLPROPANE	Y	GAS	4	2	0						x	
3,3,3-TRIFLUORO-1-PROPENE	Y	GAS	3	3	4		x					
3-METHYL-1-BUTENE											x	
90% ARGON 10% NITROGEN	Y	GAS	0	0	0							x
90% ARGON AND 10% CARBON MONOXIDE	Y	GAS	4	2	0		x					
ACETYLENE	Y	GAS	4	0	3						x	
AIR	N	GAS										x
ALLYL FLUORIDE	N	GAS									x	
AMMONIA, ANHYDROUS	Y	GAS	1	3	0				x			
ARGON	Y	GAS	0	0	0							x
BORON TRICHLORIDE	Y	GAS	0	3	2	W				x		
BORON TRIFLUORIDE			0	3	2	W				x		
BROMOMETHANE	Y	GAS					x					
BROMOTRIFLUOROMETHANE	Y	GAS	0	2	0							x
BUTADIENE			4	4	2		x					
BUTANE	Y	GAS	4	1	0						x	
BUTENE	Y	GAS	4	1	0						x	
BUTYNE											x	
CARBON DIOXIDE	N	GAS	0	2	0							x
CARBON MONOXIDE	Y	GAS	4	2	0		x					
CARBONYL SULFIDE	Y	GAS	4	3	1		x					
CHLORINE	Y	GAS	0	4	0	OX				x		
CHLORODIFLUOROMETHANE	Y	GAS	0	4	1				x			
CHLOROETHANE	Y	GAS	4	2	0						x	
CYCLOPROPANE	Y	GAS	0	4	1				x			
DEUTERIUM	Y	GAS	4								x	
DEUTERIUM BROMIDE	N	GAS	0	3	0				x			
DEUTERIUM CHLORIDE	N	GAS	0	3	2	W						
DEUTERIUM IODIDE	Y	GAS	0	3	0				x			
DEUTERIUM SULFIDE	N	GAS	4	4	0							
DICHLOROFLUOROMETHANE	Y	GAS	0	2	1							x
DIFLUOROMETHANE	N	GAS	4	0	1						x	
DIMETHYLAMINE, ANHYDROUS	Y	GAS	4	3	0		x					
ETHANE	Y	GAS	4	1	0						x	
ETHANE 1,1-D2	N	GAS	4	1	0						x	
ETHER	Y	GAS	4	1	1						x	
ETHYLENE	Y	GAS	4	2	2						x	
ETHYLENE OXIDE	Y	GAS							x			
ETHYLENE, 1,1-DIFLUORO-	Y	GAS	4	1	2						x	
ETHYLENE-1,1-D2	N	GAS	4	2	2						x	
ETHYLENE-CIS-1,2-D2	N	GAS	4	2	2						x	
ETHYLENE-D4	N	GAS	4	2	2						x	
ETHYLENE-D6	N	GAS	4	2	2						x	

ETHYLENE-TRANS-1,2-D2	N	GAS		4	2	2									x		
FLUOROETHANE	N	GAS		4	2	0									x		
FREON 22	Y	GAS		0	1	0										x	
HALOCARBON 1,1,13 CP	N	GAS															x
HELIUM	Y	GAS		0	0	0											x
HEXAFLUORO-2-BUTYNE	N	GAS		0	0	1											x
HEXAFLUOROETHANE	Y	GAS		0	0	1											x
HEXAFLUOROISOBUTENE	N	GAS													x		
HYDRIODIC ACID	Y	GAS		0	3	0				x							
HYDROBROMIC ACID	Y	GAS		0	3	0				x							
HYDROGEN	Y	GAS		4	0	0									x		
HYDROGEN AND OXYGEN	N	GAS															
HYDROGEN BROMIDE	Y	GAS		0	3	0				x							
HYDROGEN CHLORIDE	Y	GAS		0	3	2	W										
HYDROGEN FLUORIDE	Y	GAS		0	4	1				x		x					
HYDROGEN SULFIDE	Y	GAS		4	4	0				x							
IRON CARBONYL	Y	GAS		3	1	1									x		
ISOBUTANE	Y	GAS		4	2	0									x		
ISOBUTYLENE	Y	GAS		3	2	0									x		
KRYPTON	N	GAS		0	3	0											x
METHANE	Y	GAS		4	2	0									x		
METHANE, TRIFLUORO-	Y	GAS		0	0	1											x
METHANE-D	N	GAS		4	2	0									x		
METHANE-D2	Y	GAS		4	2	0									x		
METHYL BROMIDE	Y	GAS		1	3	0				x							
METHYL CHLORIDE	Y	GAS		4	2	0									x		
METHYL VINYL ETHER	Y	GAS		4	2	2									x		
METHYLAMINE	Y	GAS		4	3	0				x							
N-BUTANE	N	GAS		4	1	0									x		
NEON																	x
NITRIC OXIDE	Y	GAS		0	3	0	OX					x					
NITROGEN	Y	GAS		0	3	0											x
NITROGEN DIOXIDE	Y	GAS		0	3	0	OX					x					
OXYGEN	Y	GAS		0	3	0	OX										x
OXYGEN 18	Y	GAS		0	3	0	OX										x
OXYGEN 18O2	Y	GAS		0	3	0	OX										x
PHOSPHOROUS TRIFLUORIDE	Y	GAS		0	3	2	W					x					
PROPANE	Y	GAS		4	2	0									x		
PROPANE, 1,1,1,3,3,3-HEXAFLUORO-	N	GAS		1	0	1											x
PROPANE-2,2-D2	N	GAS		4	2	0									x		
PROPENE	Y	GAS		4	1	1									x		
PROPENE, 3,3,3-TRIFLUORO-	Y	GAS		4	1	2									x		
PROPYNE	Y	GAS		4	1	3									x		
SILICON TETRAFLUORIDE	Y	GAS		0	3	2	W					x					
SULFUR DIOXIDE	Y	GAS		0	3	0				x							
SULFUR HEXAFLUORIDE	Y	GAS		0	4	0				x							
SULFUR TETRAFLUORIDE	Y	GAS		0	3	2	W					x					
FLUORO BUTANE	N	GAS															x
PROPADIENE (propadiene)	N	GAS		3	0	2	W								x		
VINYL BROMIDE	Y	GAS		4	2	1									x		
VINYL CHLORIDE	Y	GAS		4	2	2									x		
VINYL FLUORIDE	Y	GAS		4	2	2									x		
XENON																	x

Incompatibles

flammable and toxic
oxidizer and toxic

Hierarchy

1. Toxic
2. Flammable

flammable and oxidizer

3. Oxidizer