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s,	and conversion ors	limits (TWA unless noted otherwise)		description	Chemical and physical properties		Incompatibilities and reactivities	Measurement method (See Table 1)
					MW, BP, SOL Fl.P, IP, Sp, Gr, flammability	VP, FRZ UEL, LEL		
	Benzene chloride, Chlorobenzol, MCB, Monochlorobenzene, Phenylchloride 1 ppm = 4.68 mg/m³	NIOSH See Appendix D OSHA 75 ppm (350 mg/m³)	1000 ppm	Colorless liquid with an almond-like odor	MW 112.6 BP. 270°F Sol: 0.05% Fl.P: 82°F IP 9.07 eV Sp.Gr 1.11 Class IC Flammable Liquid	VP 9 mm FRZ. -50°F UEL 9.6% LEL 1.3%	Strong oxidizers	Char, CS, GC/FID, III [#1003, Halogenated Hydrocarbons]
	2-Chlorobenzalmalonitrile, CS, OCBM 1 ppm = 7.84 mg/m³	NIOSH C 0.05 ppm (0.4 mg/m³) [skin] OSHA† 0.05 ppm (0.4 mg/m³)	2 mg/m³	White crystalline solid with a pepper-like odor.	MW 188.6 BP. 590-599°F Sol: Insoluble Fl.P ? IP. ? Sp.Gr. ? Combustible Solid	VP: 0.00003 mm MLT: 203-205°F UEL: ? LEL: ? MEC: 25 g/m³	Strong oxidizers	Filter/ Tenax GC, Reagent, HPLC/UVD, II(5) [P&CAM #304]
	Bromochloromethane, CB, CBM, Fluorocarbon 1011, Halon® 1011, Methyl chlorobromide 1 ppm = 5.38 mg/m³	NIOSH/OSHA 200 ppm (1050 mg/m³)	2000 ppm	Colorless to pale-yellow liquid with a chloroform-like odor. [Note: May be used as a fire extinguishing agent.]	MW: 129.4 BP. 155°F Sol Insoluble Fl.P: NA IP: 10.77 eV Sp.Gr. 1.93 Noncombustible Liquid	VP: 115 mm FRZ -124°F UEL: NA LEL: NA	Chemically-active metals such as calcium, powdered aluminum, zinc & magnesium	Char; CS,; GC/FID; III [#1003, Halogenated Hydrocarbons]
	Difluorochloromethane, Fluorocarbon-22, Freon® 22, Genetron® 22, Monochlorodifluoromethane, Refrigerant 22 1 ppm = 3.59 mg/m³	NIOSH 1000 ppm (3500 mg/m³) ST 1250 ppm (4375 mg/m³) OSHA† none	N.D.	Colorless gas with a faint, sweetish odor. [Note: Shipped as a liquefied compressed gas.]	MW: 86.5 BP: -41°F Sol(77°F): 0.3% Fl.P: NA IP: 12.45 eV RGasD: 3.11 Nonflammable Gas	VP: 9.4 atm FRZ: -231°F UEL: NA LEL: NA	Alkalis, alkaline earth metals (e.g., powdered aluminum, sodium, potassium, zinc)	None available

To: Paul Johnke

NIOSH

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for respirator ...ction — maximum co...ntration for use (MUC) (See Table 4)	Route	Symptoms (See Table 5)	First aid (See Table 6)		Target organs (See Table 5)
OSHA 1000 ppm: SA:CF*/PAPROV*/CCRFOV/ GMFOV/SCBAF/SAF § SCBAF PD,PP/SAF PD,PP,ASCBA Escape. GMFOV/SCBAE	Inh Ing Con	Irrit eyes, skin, nose; drow, inco. CNS depres; in animals liver, lung, kidney inj	Eye Skin Breath Swallow	Irr immed Soap wash prompt Resp support Medical attention immed	Eyes, skin, resp sys, CNS, liver
NIOSH/OSHA 2 mg/m³: SA CF*/GMFSHiE/SCBAF/SAF § SCBAF PD,PP/SAF PD,PP:ASCBA Escape GMFSHiE/SCBAE	Inh Abs Ing Con	Pain, burn eyes, lac, conj, eryt eyelids, blepharospasm, irrit throat, cough, chest tight; head, eryt, vesic skin	Eye: Skin: Breath. Swallow	Irr immed Soap wash immed Resp support Medical attention immed	Eyes, skin, resp sys
NIOSH/OSHA 2000 ppm: SA:CF*/PAPROV*/CCRFOV/ GMFOV/SCBAF/SAF § SCBAF PD,PP/SAF PD,PP,ASCBA Escape GMFOV/SCBAE	Inh Ing Con	Irrit eyes, skin, throat, conf, dizz, CNS depres; pulm edema	Eye: Skin: Breath. Swallow:	Irr immed Soap wash prompt Resp support Medical attention immed	Eyes, skin, resp sys, liver, kidneys, CNS
TBAL	Inh Con (liq)	Irrit resp sys; conf, drow, ringing in ears; heart palp, card arrhy; asphy; liver, kidney, spleen inj; liq: frostbite	Eye: Skin: Breath:	Frostbite Frostbite Resp support	Resp sys, CVS, CNS, liver, kidneys, spleen

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