

REDMOND FIRE DEPARTMENT

HAZARDOUS MATERIALS WORKSHEET For Uniform Fire Code Classification

	HEALTH HAZARDS (29 CFR 1910.1200)					For questions concerning this form contact Michael Trabue at (425) 556-2231						
HMIS	ORAL	DERMAL	INHALATION	SKIN IRRITATION	EYE IRRITATION							
RATING	LIQUIDS, SOLIDS	LIQUIDS, SOLIDS		LIQUIDS/SOLIDS/GASES LIQUIDS, SOLIDS		FLAMMABILITY (NFPA 704)		REACTIVITY (NFPA 704)				
	LD50 Rat (mg/kg)	LD50 Rabbit (mg/kg)	LC50 Rat (ppm) (mg/kg)	SKIN IRRITATION	EYE IRRITATION	LIQUIDS, GASES	SOLIDS	PYROPHORIC	OXIDIZER	ORGANIC PEROXIDE	WATER REACTIVE	UNSTABLE (REACTIVE)
4	0 – 1	0 – 20	>0 - 0.2 mg/l			Flammable gases & cryogenics Class IA liquids Mists of flammable liquids FP<73°F, BP<100°F	Ignitable dusts (in air) of combustible solids. 420 microns or less in dia. (will pass through a U.S. No. 40 Standard sieve)		explosive decomp	able of detonation or position at normal ratures.		Detonation or explosive decomposition at normal temperatures.
3	>1 – 50	>20 – 200	>20 – 200 ppm >0.2 – 2.0 mg/l	CORR Severely irritating and/or corrosive.	COSIVE Corrosive, irreversible corneal damage.	Class IB & IC liquids Liquids ignitable under ambient temperature conditions FP <73°F, BP≥100°F FP ≥73°F, FP<100°F	Solids ignitable under ambient temperature conditions. Ignition temperature below 212°F	Chemical which will spontaneously ignite in air at or below a temperature of 130°F (54.5°C)	Material readily cap, explosive reaction v must be heated u before in	vith strong source or Inder confinement	Materials which react explosively with water.	Detonation or explosion hazard with strong source or heated under confinement before initiation.
<u>ଅଧ</u>	>50 – 500	>200 – 1,000	>200 – 2,000 ppm >2 – 20 mg/l	IRRITANTS/S Primary irritant, sensitizer.	SENSITIZERS Irritating or moderately persisting more than seven days with reversible corneal opacity. Positive Draize test.	- Class II & IIIA liquids 100° F< FP <200°F II 100° F< FP <140°F IIIA 140° F< FP <200°F	Solids & semi-solids which readily give off flammable vapors.		Normally unstable, violent chemic does not CLASS 2	, readily undergoes cal change but detonate. CLASS III	May react violently with water.	Normally unstable and no detonation.
1	>500 – 5,000	>1,000 – 5,000	>2,000 - 10,000 ppm >20 - 200 mg/l	Slightly irritating.*	Slightly irritating but reversible within seven days.*	Class IIIB liquids FP ≥ 200°F	Semi-solids with F.P. >200°F, ordinary combustible materials.		Normally stable; of elevated temperators of CLASS 1		May react with water but not violently.	Normally stable. Unstable at elevated temperatures and pressures.
NON TOXIC	>5,000	>5,000	>10,000 ppm	Essentially nonirritating.	Essentially nonirritating.	Material will r at 1500°F f			Normally s under fire NO CLASS RATING		Not reactive with water.	

*NOTE: Judgement should be used at this level of irritant/sensitizer. This lower level rating may not warrant classification for fire code purposes. Consult MSDS or manufacturer for additional information.

HEALTH EFFECTS OF MIXTURES: Use data on any constituent chemical comprising 1% or more of the mixture (29 CFR 1910.1200 d,5ii) **EXCEPTION:** Carcinogens in mixture - 0.1% or more

REFERENCES: 1997 UNIFORM FIRE CODE - APPENDIX VI-A, ARTICLE 1, ARTICLE 2 & ARTICLE 80.

29 CFR 1910.1200.

49 CFR, PARTS 100 TO 177 (10-1-90)

"HMIS CLASSIFICATION SYSTEM", PAINT MANUFACTURERS ASSOCIATION (1985).
NFPA STANDARD NO. 704, IDENTIFICATION OF THE FIRE HAZARDS OF MATERIALS"