

U.S. DEPARTMENT OF LABOR

WAGE AND LABOR STANDARDS ADMINISTRATION Bureau of Labor Standards

MATERIAL SAFETY DATA SHEET

SECTION I

MANUFACTURER'S NAME Paulsen & Roles Laboratories		EMERGENCY TELEPHONE NO.
ADDRESS (Number, Street, City, State, and ZIP Code) 1836 N.E. 7th Ave Portland, OR 97212		
CHEMICAL NAME AND SYNONYMS N/A		TRADE NAME AND SYNONYMS Hard Rock Sealer
CHEMICAL FAMILY	FORMULA	

SECTION II HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES	%	TLV (Units)
Acrylic Polymer (slight health hazard)	12.5	not estab
Ammonia (moderate health hazard)	trace	25 PPM
Residual Monomers (moderate health hazard)	trace	10 PPM
Bromotrichloromethane	0.03	not estab

SECTION III PHYSICAL DATA

BOILING POINT (°F.)	212	SPECIFIC GRAVITY (H ₂ O=1)	1.2
VAPOR PRESSURE (mm Hg.)	water 17 mmHG	PERCENT VOLATILE BY VOLUME (%)	85
VAPOR DENSITY (AIR=1)	water	EVAPORATION RATE (_____ = 1) slower than B.A.	est. 0.36
SOLUBILITY IN WATER	dilutable		
APPEARANCE AND ODOR	milky white liquid - slight ammoniacal odor		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	N/A	FLAMMABLE LIMITS	Let	Uel
EXTINGUISHING MEDIA				
SPECIAL FIRE FIGHTING PROCEDURES	Acrylic emulsions will not burn. They may spatter if temperature exceeds boiling point (212°F)			
UNUSUAL FIRE AND EXPLOSION HAZARDS	Dried polymer films are capable of burning.			

SECTION V HEALTH HAZARD DATATHRESHOLD LIMIT VALUE **Ammonia 25PPM Bromotrichloromethane 1PPM**

EFFECTS OF OVEREXPOSURE

see attached sheet

EMERGENCY AND FIRST AID PROCEDURES

see attached sheet**SECTION VI REACTIVITY DATA**

STABILITY

UNSTABLE

CONDITIONS TO AVOID

STABLE

X

INCOMPATIBILITY (Materials to avoid)

HAZARDOUS DECOMPOSITION PRODUCTS **Thermal decomposition may yield oxides of carbon, toxic monomer fumes, Hydrogen chloride and Hydrogen Bromide**HAZARDOUS
POLYMERIZATION

MAY OCCUR

CONDITIONS TO AVOID

WILL NOT OCCUR

X**SECTION VII SPILL OR LEAK PROCEDURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

see attached page

WASTE DISPOSAL METHOD

see attached page**SECTION VIII SPECIAL PROTECTION INFORMATION**RESPIRATORY PROTECTION (Specify type) **Non required if good ventilation is maintained, otherwise wear Mesa/NIOSH approved respirator where vapor concentrations are encountered**

VENTILATION

LOCAL EXHAUST

SPECIAL

at point of contaminant

MECHANICAL (General)

OTHER

(vapor, mist or dust) release

PROTECTIVE GLOVES

impervious gloves

EYE PROTECTION

Splash proof safety goggles (ANSI Z87.1, 1968)

OTHER PROTECTIVE EQUIPMENT

eyewash station, emergency shower**SECTION IX SPECIAL PRECAUTIONS**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

see attached page

OTHER PRECAUTIONS