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PRODUCT:	440400 (444) Anaerobic Hydraulic Sealant
MSDS ID:	ND2164
ORIG. DATE:	11/13/98
REV. DATE:	4/3/02
REV. DATE:	6/1/07

PREPARED BY: Chemical Safety

F: 1 H: 2 **R**: 1 **PPEB** SECTION I -Material Identification and Information OSHA PERCENT ACGIH OTHER LIMITS CAS # **COMPONENTS** RECOMMENDED PEL % TLV Polyglycol Dimethacrylate 50-65 trade secret n.e. n.e. Polyglycol dioctanoate 10-30 trade secret n.e. n.e. Saccharin 81-07-2 .1-1 n.e. n.e. Cumene hydroperoxide .5-3 trade secret n.e. n.e. 1-Acetyl-2-phenylhydrazine 114-83-0 .2-2 n.e. n.e. Polybutyl Methacrylate trade secret 5-10 n.e. n.e. All ingredients are listed on the TSCA Inventory. n.a.= not applicable / n.e.=not established **SECTION II** - Physical and Chemical Characteristics >300°C **BOILING POINT:** VOC #/gal. : >1 VAPOR DENSITY: air = 1**DENSITY OF COATING:** VAPOR PRESSURE: n.a. **MELTING POINT:** n.a. ~1.05 SPECIFIC GRAVITY: water = 1**EVAPORATION RATE:** n.a. WATER REACTIVE: No SOLUBILITY IN WATER: insoluble APPEARANCE AND ODOR: Brown liquid with mild odor. SECTION III - Fire and Explosion Hazard Data FLASH POINT: > 200°C T.C.C. AUTOIGNITION TEMPERATURE: not determined FLAMMABILITY LIMITS % IN AIR: LEL: not determined UEL: not determined EXTINGUISHER MEDIA: Use carbon dioxide, foam, dry chemical and/or water spray. Wear a NIOSH approved self-contained breathing apparatus operated in pressure-demand or other positive SPECIAL pressure when fighting fires. Sealed containers may rupture explosively if exposed to heat. FIREFIGHTING PROCEDURES: UNUSUAL FIRE Combustion of product may produce oxides of carbon. HAZARDS AND CONDITIONS TO AVOID:

PRODUCT: 440400 (444) Anaerobic Hydraulic Sealant

SECTION IV - Reactivity Hazard Data

STABILITY:	stable: χ unstable:			
HAZARDOUS PO	LYMERIZATION: may occur: will not occur: X			
CONDITIONS TO AVOID:	Avoid storage over 100°F, contamination with incompatible materials.			
INCOMPATIBI	LITY: Avoid contact with metal salts, heat, or amines.			
HAZARDOUS DECOMPOSITION PRODUCTS:	None known. N			
SECTION V -	- Health Hazard Data			
PRIMARY ROUTE	S OF ENTRY: INHALATION: INGESTION: X SKIN ABSORPTION: X			
EYE CONTACT:	A primary route of exposure that will cause eye irritation characterized by excessive tearing, redness and blinking.			
FIRST AID:	Flush eyes with generous amounts of water for at least 15 minutes, lifting both upper and lower eyelids frequently. Get medical attention.			
SKIN CONTACT:	A primary route of exposure that may cause moderate skin irritation and allergic skin reaction. May cause rash, redness, swelling and blistering (symptoms may be delayed)			
FIRST AID:	Thoroughly wash exposed area with soap and water. If irritation develops, seek medical attention. Launder clothing before reuse.			
INHALATION:	Not a likely route of exposure.			
FIRST AID:	If overcome by exposure, victim should be removed to fresh air immediately. Give artificial respiration as needed. Get immediate medical attention.			
INGESTION:	Ingestion may cause irritation of the gastrointestinal tract.			
FIRST AID:	Do no induce vomiting. Immediately seek medical attention.			
CHRONIC EFFECTS:	None known.			
Carcinogenic:	Contains saccharin which has been determined to cause cancer in laboratory animals.			

PRODUCT: 440400 (444) Anaerobic Hydraulic Sealant

Component

Polyglycol Dimethacrylate Polyglycol dioctanoate Saccharin Cumene hydroperoxide

1-Acetyl-2-phenylhydrazine Polybutyl Methacrylate

Oral LD50

- not determined not determined 800-1600 mg/Kg Rat 270 mg/kg (mouse) not determined
- not determined not determined Severe irritation (delayed) not determined not determined

Dermal LD50

Inhalation LC50

not determined not determined not determined 700 ppm Rat

not determined not determined

SECTION VI - Control and Protective Measures

RESPIRATORY PROTECTION:				
PROTECTIVE GLOVES:	Disposable polyethylene gloves with vinyl latex over gloves will give protection.			
EYE PROTECTION: Wear NIOSH approved safety glasses with side shields or safety goggles.				
VENTILATION TO BE USED:	LOCAL EXHAUST: X MECHANICAL: SPECIFIC: OTHER (specify):			
PROTECTIVE CLC AND EQUIPMENT				
HYGIENIC WORK PRACTICES:	Practice good personal hygiene and wash hands after handling product.			

SECTION VII - Precautions for Safe Handling and Spill/Leak Procedures

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED:

dike area to prevent spreading. Absorb on vermiculite, sand or other inert absorbing material.

WASTE DISPOSALDispose of as a chemical waste in accordance with current local, state, and federal regulationsMETHODS:

SAFE HANDLING Avoid prolonged skin contact. Store product below 100°F to preserve shelf life.

OTHER PRECAUTIONS AND SPECIAL HAZARDOUS INFORMATION:

Avoid prolonged skin contact. Keep away from eyes.

RECOMMENDED NFPA/HMIS RATING	HEALTH 2	FLAMMABILITY 1	REACTIVITY 1	PERSONAL B
	note: ratings may			

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NOTES:

Shipping Regulations: DOT and IATA Hazard Classification: Non restricted Articles Proper DOT Shipping Name: N/A

SECTION 313 SUPPLIER NOTIFICATION

Detaching this notification from the Material Safety Data Sheet is prohibited by law and any copying or distribution of same requires this attachment be included.

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372:

<u>CAS #</u>	CHEMICAL NAME	% BY WEIGHT
80-15-9	Cumene hydroperoxide	.5-3

This product contains the following materials that under California Proposition 65 of the Safe Drinking Water and Toxic Enforcement Act of 1986 are recognized to cause cancer or reproductive toxicity.

Material	CAS #	Concentration %	Cancer Agent	Reproductive Toxin	cancer Reproductive agent Toxin
Saccharin	81-07-2	0.1-1%	х		

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