

MATERIAL SAFETY DATA SHEET



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PRODUCT: 420350 Anaerobic Pipe Sealant
MSDS ID: ND2163
DATE: 11/13/98 Updated: 11/1/00
PREPARED BY: Chemical Safety

SECTION I -Material Identification and Information H:2 F:1 R:1 PPE: H

COMPONENTS	CAS #	PERCENT %	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
Polyglycol Dimethacrylate	Trade Secret	30-50	n.e.	n.e.	
Polymeric Plasticizer	Trade Secret	10-30	n.e.	n.e.	
Cellulose Ester	Trade Secret	15-20	n.e.	n.e.	
Saccharin	81-07-2	1-3	n.e.	n.e.	
Organic Peroxide	80-15-9	.5-3	n.e.	n.e.	
Titanium Dioxide	13463-67-7	1-3	15 mg/m3	10 mg/m3	Nuisance dust
Lubricating Powders	Trade Secret	10-20	n.e.	n.e.	
Silica	Trade Secret	1-5	6 mg/m3	10 mg/m3	Nuisance dust

All ingredients are listed on the TSCA Inventory.

n.a.= not applicable / n.e.=not established

SECTION II -Physical and Chemical Characteristics

BOILING POINT: >300°C
VAPOR DENSITY: >1 air = 1
VAPOR PRESSURE: n.e.
MELTING POINT: n.a.
SPECIFIC GRAVITY: ~1.15 water = 1
EVAPORATION RATE: n.a.
WATER REACTIVE: No
SOLUBILITY IN WATER: Insoluble
APPEARANCE AND ODOR: White paste 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.

SPECIAL FIREFIGHTING PROCEDURES: Wear a NIOSH approved self-contained breathing apparatus operated in pressure-demand or other positive pressure when fighting fires. Sealed containers may rupture explosively if exposed to heat.

UNUSUAL FIRE HAZARDS AND CONDITIONS TO AVOID: Combustion of product may produce toxic fumes of carbon oxides.

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Component	Oral LD50	Dermal LD50	Inhalation LC50
Polyglycol Dimethacrylate	not determined	not determined	not determined
Polymeric Plasticizer	not determined	not determined	not determined
Cellulose Ester	not determined	not determined	not determined
Saccharin	not determined	not determined	not determined
Organic Peroxide	800-1600 mg/Kg Rat	Severe irritation (delayed)	700 ppm Rat
Titanium Dioxide	not determined	not determined	not determined
Lubricating Powders	>10000 mg/Kg Rat	not determined	not determined
Silica		not determined	not determined

SECTION VI - Control and Protective Measures

RESPIRATORY PROTECTION: Work in a well ventilated area.

PROTECTIVE GLOVES: Disposable polyethylene gloves with vinyl latex over gloves will give protection.

EYE PROTECTION: Wear NIOSH approved safety glasses with side shields or chemical splash goggles.

VENTILATION TO BE USED: LOCAL EXHAUST: X MECHANICAL: SPECIFIC:
OTHER (specify):

PROTECTIVE CLOTHING AND EQUIPMENT: Wear impervious clothing to prevent repeated, prolonged skin contact.

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 DISPOSAL METHODS: Dispose of as a chemical waste in accordance with current local, state, and federal regulations

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

OTHER PRECAUTIONS AND SPECIAL HAZARDOUS INFORMATION:

Avoid skin contact. Keep away from eyes.

RECOMMENDED NFPA/HMIS RATING

HEALTH 2

FLAMMABILITY 1

REACTIVITY 1

PERSONAL PROTECTION H

note: ratings may differ according to application, environment, and physical state.

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

<u>material</u>	<u>CAS #</u>	<u>Concentration %</u>	<u>cancer agent</u>	<u>Reproductive Toxin</u>	<u>cancer agent & Reproductive Toxin</u>
Saccharin	81-07-2	1-3%	X		

The information contained herein is based on the data available to us and is believed to be correct. However, ND Industries®, Inc. makes no warranty, expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their properties prior to use. Since conditions of use are beyond our control, all risks are assumed by the user.