

MATERIAL SAFETY DATA SHEET

Section 1
MRO Solutions L.L.C.

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HMIS CODES: H F R P
2 1 1

I. PRODUCT IDENTIFICATION - Solution 30 Pipe Sealant with Teflon

II. COMPOSITION

<u>Ingredients</u>	<u>%</u>	<u>Ingredients</u>	<u>%</u>
Polyglycol Dimethacrylate	25-30	Teflon	5-10
Mica	20-25	Silica, amorphous, treated	1-3
Bisphenol A fumarate resin	15-20	Cumene hydroperoxide*	1-3
Polymeric plasticizer	15-20	Titanium Dioxide	1-3

*This component is listed as a SARA Section 313 Toxic Chemical

III. CHEMICAL AND PHYSICAL PROPERTIES

Vapor Pressure: Less than 10mm at 80 O F (27 O C) **Vapor Density:** Not Available **Solubility in Water:** Slight
Specific Gravity: 1.26 at 80 O F (27 O C) **Boiling Point:** More than 300 O F (149 O C)
Volatile Organic Compound (EPA Method 24): 2.07% **Evaporation Rate (Ether = 1):** Not available
pH: Does not apply **Appearance:** White paste **Odor:** Mild

IV. FLAMMABILITY AND EXPLOSIVE PROPERTIES

Flash Point: More than 200 O F (93 O C) Method: Tag Closed Cup
Estimated NFPA Code: Health Hazard: 1 Fire Hazard: 1 **Reactivity Hazard:** 1 **Specific Hazard:** Does not apply
Estimated HMIS Code: Health Hazard: 1 Flammability Hazard: 1 **Reactivity Hazard:** 1 **Personal Protection:** See Section X
Explosive Limits:
(% by volume in air) Lower Approximately 1% Octanol (% by volume in air) Upper Approximately 8% Octanol
Recommended Extinguishing Agents: Carbon dioxide, foam, dry chemical
Hazardous Products Formed by Fire or Thermal Decomposition: Toxic fluorides
Unusual Fire or Explosion Hazards: None **Compressed Gases:** None
Pressure at Room Temperature: Does not apply

V. SPILL OR LEAK AND DISPOSAL PROCEDURES

Steps to be taken in case of spill or leak: Soak up in an inert absorbent. Store in partly filled, closed container until disposal.
Recommended methods of disposal: Incinerate following EPA and local regulations.

VI. STORAGE AND HANDLING PROCEDURES

Safe Storage: Store below 75 O F (24 O C) to preserve shelf life.
Handling: Avoid prolonged skin contact. Keep away from eyes. Do not use without adequate ventilation.

VII. SHIPPING REGULATIONS

DOT (49 CFR 172) - Domestic Ground Transport
Proper Shipping Name: Unrestricted **Hazard Class or Division:** Unrestricted **Identification Number:** None
IATA Proper Shipping Name: Unrestricted **Class or Division:** Unrestricted **UN of ID Number:** None
IMO Substance Marine Pollutant Status: Not Available **Class:** Not Available **Subsidiary Risk label:** Not Available
IMDG Code Page: Not Available **UN Number:** Not Available

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VIII. REACTIVITY DATA

Stability: Stable **Hazardous Polymerization:** Will not occur **Hazardous Decomposition Products (non-thermal):** None
Incompatibility: None

IX. EMERGENCY TREATMENT PROCEDURES

Ingestion: Do not induce vomiting. Keep individual calm. Obtain Medical attention.

Inhalation: Remove to fresh air. If symptoms persist, obtain medical attention.

Skin Contact: Flush with water.

Eye Contact: Flush at least 15 minutes with water. Obtain medical attention.

X. PERSONAL PROTECTION

Eyes: Safety glasses or goggles. **Skin:** Rubber or plastic gloves.

Ventilation: Local ventilation recommended for prolonged use.

XI. Health Hazard

Toxicity: Eye irritant. Est. Oral LD50 >10,000 mg/kg. Est. Dermal LD50 > 5,000 mg/kg.

Primary Routes of Entry: None Known

Signs and Symptoms of Exposure: Intoxication, nausea, headache, dizziness. May cause dermatitis on prolonged contact in sensitive individuals.

Existing Conditions Aggravated by Exposure: None known.

Exposure Limits (TWA)	ACGIH (TLV)	OSHA (PEL)	OTHER
Ingredients			
Mica	3b mg/m ³	20a ppm	3b mg/m ³
Silica, amorphous, treated	10 mg/m 3TWA	6 mg/m 3 TWA	None
Titanium Dioxide	10 mg/m ³	15c mg/m ³	None
Carcinogen			
Ingredients	Target Organ and Other Health Effects		NTP ARC OSHA
Bisphenol A fumarate resin	No data		NO NO NO
Mica	LUNG		NO NO NO
Polyglycol Dimethacrylate	ALLERGEN SKIN		NO NO NO
Polyglycol dictanoate	No data		NO NO NO
Poly (tetrafluoroethylene)	No data		NO N/A NO
Silica, amorphous, treated	No data		NO NO NO
Cumene hydroperoxide	MUTAGEN evidence of some carcinogenicity		NO NO NO
Titanium Dioxide	IRRITANT		NO NO NO

XII. Preparation Information (HMI)

The data contained herein is based upon information that MRO Solutions L.L.C. believes to be reliable. Users of this product have the responsibility to determine the suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements or suggestions are made without warranty, express or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.