

Section 1

MRO Solutions L.L.C.
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For Chemical Emergency Only
Telephone for Information (847) 588-2480

I. PRODUCT IDENTIFICATION: SOLUTION 40 – FLEXIBLE FLANGE SEALANT**II. COMPOSITION**

<u>INGREDIENTS</u>	<u>CONCENTRATION%</u>
POLYUETHANE METHACRYLATE RESIN	65-70
POLYGLYCOL DIMETHACRYLATE	10-15
FUMED SILICA	5-10
ACRYLIC ACID*	3- 5
CUMENE HYDROPEROXIDE*	1- 3
SACCHARIN*	1- 3
1-ACETYL-2-PHENYLHYDRAZINE	0.1- 1

*SARA Section 313 Toxic Chemical

III. CHEMICAL AND PHYSICAL PROPERTIES

<u>Vapor Pressure:</u>	Less than 10mm @80°F (27°C)	<u>Vapor Density:</u>	Not available
<u>Solubility in water:</u>	Low	<u>Specific Gravity:</u>	1.13
<u>Boiling point:</u>	More than 300°F (150°C)	<u>Volatile Organic Compound (EPA Method 24):</u>	12.8%
<u>Evaporation rate: (Ether – 1):</u>	Not available	<u>pH:</u>	Does not apply
<u>Appearance:</u>	Purple Gel	<u>Odor:</u>	Irritating

IV. FLAMMABILITY AND EXPLOSIVE PROPERTIES

Flashpoint (T.C.C.): >200°F (93°) Method: TCC

Estimated NFPA Code: Health hazard: 2; Fire Hazard: 1; Reactivity Hazard: 1;

Specific Hazard: Does not apply

Estimated HMIS Code: Health Hazard: 2; Flammability Hazard: 1; Reactivity Hazard: 1;

Personal Protection: See section X

Explosive Limits: (% by volume in air) Lower: 2.0% Acrylic acid
(% by volume in air) Upper: 8.0% Acrylic acid

Recommended extinguishing agents: Carbon dioxide, foam, dry chemical

Hazardous products formed by fire/thermal decomposition: Irritating organic vapors

Unusual fire or explosion hazards: None

Compressed Gases: None

Pressure at room temperature: Does not apply

V. REACTIVITY DATA

Stability: Stable Hazardous Polymerization: Will not occur

Hazardous Decomposition Products (non-thermal): None

Incompatibility: None

VI. SPILL OR LEAK PROCEDURES

Steps to be taken in case of spill or leak: Soak up with an inert absorbant. Store in partly filled, closed container until disposal.

Recommended methods of disposal: Incinerate following EPA and local regulations.

VII. STORAGE AND HANDLING PROCEDURES

Storage: Store at 75°F (24° to preserve shelf life).

Handling: Avoid prolonged skin contact. Keep away from eyes. Avoid prolonged breathing of vapors.

VIII. SHIPPING REGULATIONS

DOT and IATA Hazard Classification: Unrestricted; Identification numbers: None

IX. EMERGENCY TREATMENT

Eye Irritation: Flush at least 15 minutes. Obtain medical attention.
 Skin Contact: Wash thoroughly with soap and water.
 Inhalation: Remove to fresh air. If symptoms persist, obtain medical attention.
 Ingestion: Do not induce vomiting. Keep individual calm. Obtain medical attention.

X. PERSONAL PROTECTION

Ventilation: Sufficient to maintain vapor concentration below TLV
 Skin: Rubber or plastic gloves
 Eyes: Safety glasses or goggles

XI. HEALTH HAZARD DATA

Toxicity: Skin and eye irritant. Oral LD50>100,000 mg/kg. Dermal LD50 greater than 2,000mg/kg
 Primary routes of entry: None Known
 Signs and symptoms of exposure: May cause skin irritation on prolonged contact with sensitive individuals.
 Existing conditions aggravated by exposure: None Known

	ACGIH (TLV)	OSHA (PEL)	OTHER
Exposure Limits			
Ingredients			
Acrylic acid	2 ppm	None	2 ppm
Fumed silica	6 mg/m ³	20b ppm	None

Ingredients	Literature Referenced Target Organ and Other Health Effects	Carcinogen		
		NTP	IARC	OSHA
POLYGLYCOL DIMETHACRLTATE	ALG SKI	NO	NO	NO
ACRYLIC ACID	IRR REP	NO	N/A	NO
CUMENE HYDROPEROXIDE	MUT SOM	NO	NO	NO
FUMED SILICA	LUN	NO	N/A	NO
SACCHARIN	MUT	YES	2B	NO

Abbreviations

N/A Not Applicable MUT Mutagen 2B Possibly carcinogenic to humans
ALG Allergen SOM Evidence of some Carcinogenicity SKI Skin LUN Lung

XII. PREPARATION INFORMATION

PREPARED BY: CSR

Some of the information presented are from sources other than direct test data on the product itself. The information in this MSDS was obtained from sources believed reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable. This MSDS has been prepared in accordance with the requirements of the OSHA Hazard Communication Standard (29 CFR 1910.1200).