

RPA 369

LOCTITE CORPORATION

1001 TROUT BROOK CROSSING

ISSUED 8/10/00

ROCKY HILL, CT 06067-3910

5:35:16

EMERGENCY PHONE: (860) 571-5100

FAX: (860) 571-5465

MATERIAL SAFETY DATA SHEET

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: 545 Thread Sealant Pneumatic/Hydraulic Fittings
Item No.: 54505
Product Type: Anaerobic

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
Polyglycol dioctanoate	18268-70-7	40-45
Polyglycol dimethacrylate	25852-47-5	20-25
Hydroxyalkyl methacrylate	868-77-9	20-25
CUMENE HYDROPEROXIDE*	80-15-9	3-5
N,N-Dialkyltoluidines	613-48-9	1-3
1-Acetyl-2-phenylhydrazine	114-83-0	0.1-1
MALEIC ACID	110-16-7	0.1-1
SACCHARIN	81-07-2	0.1-1
SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE	112945-52-5	0.1-1

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

Ingredients which have exposure limits

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
Hydroxyalkyl methacrylate	None	None	3 ppm ceiling
CUMENE HYDROPEROXIDE	None	None	1ppm(6mg/m3) Skin(WHEEL)
SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE	10 mg/m3 TWA	6 mg/m3 TWA	3 mg/m3 TWA resp. dust

Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)
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3. HAZARDS IDENTIFICATION

Toxicity: Estimated Oral LD50 greater than 5000 mg/kg.
Estimated Dermal LD50 greater than 2000 mg/kg.

Primary Routes of Entry: Not Available

Signs and Symptoms
of Exposure: May cause dermatitis on prolonged contact in
sensitive individuals

Existing Conditions

Aggravated by Exposure: None known

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3. HAZARDS IDENTIFICATION

(continued)

Ingredients	Literature Referenced Target Organ and Other Health Effects	Carcinogen NTP IARC OSHA
Polyglycol dioctanoate	NTO	NO NO NO
Polyglycol dimethacrylate	ALG IRR	NO NO NO
Hydroxyalkyl methacrylate	ALG IRR	NO NO NO
CUMENE HYDROPEROXIDE	ALG CNS COR IRR MUT	NO NO NO
N,N-Dialkyltoluidines	NTO	NO NO NO
l-Acetyl-2-phenylhydrazine	ALG BLO KID MUT SOM	NO NO NO
MALEIC ACID	IRR KID	NO NO NO
SACCHARIN	NTO	NO 2B NO
SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE	NUI	NO N/A NO

Abbreviations

N/A Not Applicable	2B Possibly carcinogenic to humans
ALG Allergen	BLO Blood
CNS Central nervous system	COR Corrosive
IRR Irritant	KID Kidney
MUT Mutagen	NTO No Target Organs
NUI Nuisance dust	SOM Evidence of some carcinogenicity

4. FIRST AID MEASURES

Ingestion:	Do not induce vomiting. Keep individual calm. Obtain medical attention
Inhalation:	Not Applicable
Skin Contact:	Flush with water.
Eye Contact:	Flush with water.

5. FIRE FIGHTING MEASURES

Flash Point:	More than 200°F	Method: Tag Closed Cup
Recommended Extinguishing Agents:	Carbon dioxide, foam, dry chemical	
Special Firefighting Procedures:	Not available	
Hazardous Products formed by Fire or Thermal Decomp	Irritating organic vapors.	
Unusual Fire or Explosion Hazards:	None	
Explosive Limits:		
(% by volume in air)Lower	Not Applicable	
(% by volume in air)Upper	Not Applicable	

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6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case
of spill or leak:

Soak up in an inert absorbent. Store in a partly
filled, closed container until disposal.

7. HANDLING AND STORAGE

Safe Storage: Store below 100°F
(Contact Loctite Customer Service 1-800-243-4874 for shelf life information)
Handling: Avoid prolonged skin contact.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Safety glasses or goggles recommended.
Skin: Rubber or plastic gloves recommended.
Ventilation: Not Applicable
Respiratory: Not available

See Section 2 for Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Purple liquid
Odor: Mild
Boiling Point: More than 300°F
pH: Not Applicable
Solubility in Water: Slight
Specific Gravity: Approximately 1.02 at 80°F
Volatile Organic Compound
(EPA Method 24) 31.5%; 321 grams per liter
Vapor Pressure: Less than 5mm at 80°F
Vapor Density: Not Available
Evaporation Rate
(Ether - 1) Not available

10. STABILITY AND REACTIVITY

Stability: Stable
Hazardous Polymerization: Will Not Occur
Incompatibility: None
Conditions to Avoid: Not available
Hazardous Decomposition
Products (non-thermal): None

11. TOXICOLOGICAL INFORMATION

See Section 3.

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12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended methods of disposal: Incinerate following EPA and local regulations.
EPA Hazardous Waste Number NH - Not a RCRA Hazardous Waste Material

14. TRANSPORTATION INFORMATION

DOT (49 CFR 172)
Domestic Ground Transport
Proper Shipping Name: Unrestricted
Hazard Class or Division: Unrestricted
Identification Number: None
Marine Pollutant: None
IATA
Proper Shipping Name: Unrestricted
Class or Division: Unrestricted
UN or ID Number: None

15. REGULATORY INFORMATION

CA Proposition 65: WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.
Ethylene Oxide

This product contains Saccharin. No Prop65 hazard warning is necessary if this product is used as reasonably anticipated.

16. OTHER INFORMATION

Estimated NFPA(R) Code:
Health Hazard: 1
Fire Hazard: 1
Reactivity Hazard: 1
Specific Hazard: Does not apply

Estimated HMIS(R) Code:
Health Hazard: 1
Flammability Hazard: 1
Reactivity Hazards: 1
Personal Protection: See Section 8.

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16. OTHER INFORMATION

(continued)

NFPA is a registered trademark of the National Fire Protection Assn.
HMIS is a registered trademark of the National Paint and Coatings Assn.

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