ROCKY HILL, CONNECTICUT 06067 EMERGENCY PHONE: (860) 571-5100

MATERIAL SAFETY DATA SHEET

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Loctite(R) Pneumatic/Hydraulic 545 Thread Sealant 54531

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name:

Loctite(R) Pneumatic/Hydraulic 545 Thread Sealant

Item No.:

54531

Product Type:

Anaerobic

2. COMPOSITION, INFORMATION ON INGREDIENTS

| Ingredients | CAS No. | % |
|---|--|---|
| Polyglycol dioctanoate Polyglycol dimethacrylate Hydroxyalkyl methacrylate CUMENE HYDROPEROXIDE* N,N-Dialkyltoluidines 1-Acetyl-2-phenylhydrazine MALEIC ACID Saccharin | 18268-70-7 25852-47-5 868-77-9 80-15-9 613-48-9 114-83-0 110-16-7 81-07-2 | 40-45 20-25 20-25 3-5 1-3 0.1-1 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) | ACGIH | OSHA | OTHER |
|---|----------------|---------------|--|
| Ingredients | (TLV) | (PEL) | |
| Hydroxyalkyl methacrylate | None | None | <pre>3 ppm ceiling 1ppm(6mg/m3) Skin(WEEL)</pre> |
| CUMENE HYDROPEROXIDE | None | None | |
| 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) | |

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

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Product Name:

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54531 Item No.:

3. HAZARDS IDENTIFICATION

(continued)

Existing Conditions

Aggravated by Exposure: None known

| Ingredients | Literature Referenced Target Organ and Other Health Effects | | cinog IARC | en OSHA |
|---|--|----|---------------|------------|
| Polyglycol dioctanoate | IRR | NO | NO | NO |
| Polyglycol dimethacryla | | NO | ИО | ИО |
| Hydroxyalkyl methacryla | te ALG IRR | NO | NO | NO |
| CUMENE HYDROPEROXIDE | ALG CNS COR IRR MUT | NO | NO | NO |
| N,N-Dialkyltoluidines | NTO | NO | ИО | NO |
| 1-Acetyl-2-phenylhydraz | ine ALG BLO KID MUT SOM | NO | ИО | NO |
| MALEIC ACID | IRR KID | NO | ИО | ИО |
| Saccharin | NTO | NO | N/A | ИО |
| SILICA, AMORPHOUS, FUME CRYSTALLINE-FREE | D, NUI | NO | N/A | NO |

Abbreviations

ALG Allergen N/A Not Applicable

CNS Central nervous system BLO Blood

IRR Irritant COR Corrosive MUT Mutagen KID Kidnev NUI Nuisance dust NTO No Target Organs

SOM Some evidence of carcinogenicity

4. FIRST AID MEASURES

Do not induce vomiting. Keep individual calm. Ingestion:

Obtain medical attention

Not Applicable Inhalation: Skin Contact: Flush with water. Eye Contact: Flush with water.

5. FIRE FIGHTING MEASURES

Method: Tag Closed Cup More than 200°F Flash Point:

Recommended

Extinguishing Agents: Carbon dioxide, foam, dry chemical

Special Firefighting

Not available Procedures:

Hazardous Products formed

by Fire or Thermal Decomp Irritating organic vapors.

Unusual Fire or

Explosion Hazards: None

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Loctite(R) Pneumatic/Hydraulic 545 Thread Sealant Product Name:

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5. FIRE FIGHTING MEASURES

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Explosive Limits:

(% by volume in air) Lower Not Applicable (% by volume in air) Upper Not Applicable

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case

Soak up in an inert absorbent. Store in a partly of spill or leak: 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

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11. TOXICOLOGICAL INFORMATION

See Section 3.

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:

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16. OTHER INFORMATION

(continued)

Health Hazard: Flammability Hazard: 1 Reactivity Hazards: 1

Personal Protection:

See Section 8.

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

Prepared By: Stephen Repetto

Title: Research Chemist; Safety, Health&Regulatory Affairs Loctite Corp., 1001 Tr Br Cr, Rocky Hill CT 06067 Company: (860) 571-5100

(24hr.) Phone:

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