

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	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(WEEL)
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 individualsProduct Name: Loctite(R) Pneumatic/Hydraulic 545 Thread Sealant
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3. HAZARDS IDENTIFICATION

(continued)

Existing Conditions
Aggravated by Exposure: None known

Ingredients	Literature Referenced Target Organ and Other Health Effects	Carcinogen		
		NTP	IARC	OSHA
Polyglycol dioctanoate	IRR	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
1-Acetyl-2-phenylhydrazine	ALG BLO KID MUT SOM	NO	NO	NO
MALEIC ACID	IRR KID	NO	NO	NO
Saccharin	NTO	NO	N/A	NO
SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE	NUI	NO	N/A	NO

Abbreviations

N/A Not Applicable	ALG Allergen
BLO Blood	CNS Central nervous system
COR Corrosive	IRR Irritant
KID Kidney	MUT Mutagen
NTO No Target Organs	NUI Nuisance dust
SOM Some evidence of 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	

HENKEL LOCTITE CORPORATION

08/18/02

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

MATERIAL SAFETY DATA SHEET

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5. FIRE FIGHTING MEASURES

(continued)

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 of spill or leak:	Soak up in an inert absorbent. Store in a partly filled, closed container until disposal.
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7. HANDLING AND STORAGE

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

