

Loctite(R) 545 Thread Sealant
54541

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Loctite(R) 545 Thread Sealant
Pneumatic/Hydraulic
Item No.: 54541
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 Skin(WEEL)	1ppm(6mg/m3)
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

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

06/08/03

MATERIAL SAFETY DATA SHEET

Page 02 of 05

Product Name: Loctite(R) 545 Thread Sealant
Pneumatic/Hydraulic
Item No.: 54541

3. HAZARDS IDENTIFICATION (continued)

sensitive individuals

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.

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06/08/03

MATERIAL SAFETY DATA SHEET Page 03 of 05

Product Name: Loctite(R) 545 Thread Sealant
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Item No.: 54541

5. FIRE FIGHTING MEASURES (continued)

Unusual Fire or
Explosion Hazards: None

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.

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

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06/08/03

MATERIAL SAFETY DATA SHEET Page 04 of 05

Product Name: Loctite(R) 545 Thread Sealant
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Item No.: 54541

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.

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

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06/08/03

MATERIAL SAFETY DATA SHEET Page 05 of 05

Product Name: Loctite(R) 545 Thread Sealant
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Item No.: 54541

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.

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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