

Loctite(R) 572 Thread Sealant Low Strength
21454

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Loctite(R) 572 Thread Sealant Low Strength
 Item No.: 21454
 Product Type: Anaerobic Sealant

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
Bisphenol A fumarate resin	39382-25-7	25-30
Polyglycol dimethacrylate	25852-47-5	20-25
SILICA, MICA	12001-26-2	15-20
Octanol	111-87-5	10-15
Polyglycol dioctanoate	18268-70-7	10-15
Poly(tetrafluoroethylene)	9002-84-0	5-10
CUMENE HYDROPEROXIDE*	80-15-9	1-3
Organic esters	Proprietary	1-3
SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE	112945-52-5	1-3
TITANIUM DIOXIDE	13463-67-7	1-3

* 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
SILICA, MICA	3 mg/m3 TWA	20 mppcf	None
Poly(tetrafluoroethylene)	None	None	AEL (DuPont) 5mg/m3 8hr dust
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
TITANIUM DIOXIDE	10 mg/m3	15 mg/m3 Total dust	None
Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)	

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3. HAZARDS IDENTIFICATION

Toxicity: Possible eye and skin irritant.
 Estimated oral LD50 more than 5,000 mg/kg.
 Estimated dermal LD50 more than 5000 mg/kg.

Primary Routes of Entry: None known

Signs and Symptoms of Exposure: Intoxication, nausea, headache, dizziness.
 May cause dermatitis on prolonged contact in sensitive individuals.

Existing Conditions Aggravated by Exposure: None known

Ingredients	Literature Referenced Target Organ and Other Health Effects	Carcinogen		
		NTP	IARC	OSHA
Bisphenol A fumarate resin	ALG IRR	NO	NO	NO
Polyglycol dimethacrylate	ALG IRR	NO	NO	NO
SILICA, MICA	LUN	NO	NO	NO
Octanol	CNS IRR	NO	NO	NO
Polyglycol dioctanoate	IRR	NO	NO	NO
Poly(tetrafluoroethylene)	NTO	NO	N/A	NO
CUMENE HYDROPEROXIDE	ALG CNS COR IRR MUT	NO	NO	NO
Organic esters	No Data	NO	NO	NO
SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE	NUI	NO	N/A	NO
TITANIUM DIOXIDE	IRR RES	NO	NO	NO

Abbreviations

N/A Not Applicable	ALG Allergen
CNS Central nervous system	COR Corrosive
IRR Irritant	LUN Lung
MUT Mutagen	NTO No Target Organs
NUI Nuisance dust	RES Respiratory

4. FIRST AID MEASURES

Ingestion: Do not induce vomiting. Keep individual calm.
 Obtain medical attention.

Inhalation: Remove to fresh air. If symptoms persist, obtain
 medical attention.

Skin Contact: Wash with soap and water.

Eye Contact: Flush at least 15 minutes with water.
 Obtain medical attention.

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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 Toxic fluorides.

Unusual Fire or

Explosion Hazards: None

Explosive Limits:

(% by volume in air)Lower Approximately 1% Octanol

(% by volume in air)Upper Approximately 8% Octanol

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. Do not use for
prolonged periods in confined area without
adequate ventilation. Keep away from eyes.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Safety glasses or goggles.

Skin: Rubber or plastic gloves such as polyethylene,
natural rubber, or equivalent ester-resistant
material.

Ventilation: Local ventilation recommended for prolonged use.

Respiratory Not available

See Section 2 for Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White paste

Odor: Mild

Boiling Point: More than 300°F

pH:	3-6 (aqueous acetone extraction)
Solubility in Water:	Immiscible
Specific Gravity	1.252 at 68°F

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9. PHYSICAL AND CHEMICAL PROPERTIES

(continued)

Volatile Organic Compound
(EPA Method 24) 16.7%; 209 grams per liter
Vapor Pressure: Less than 0.5mm at 68°F
Vapor Density: Not available
Evaporation Rate
(Ether = 1) Not available

10. STABILITY AND REACTIVITY

Stability: Stable
Hazardous Polymerization: Will not occur
Incompatibility: Reducing agents, peroxides.
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

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15. REGULATORY INFORMATION

CA Proposition 65: 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.

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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