

LOCTITE CORPORATION

1001 TROUT BROOK CROSSING
 ROCKY HILL, CT 06067-3910
 EMERGENCY PHONE: (860) 571-5100

ISSUED 8/31/98
 14:01:38
 FAX: (860) 571-5465

MATERIAL SAFETY DATA SHEET

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Permatex(R) Thread Sealant with Teflon(R)
 Item No.: 80631
 Part No.: 14AR
 Product Type: Sealant

TEFLON is a registered trademark of E.I. DuPont de Nemours Company Inc

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
ISOPROPYL ALCOHOL	67-63-0	35-40
TALC	14807-96-6	25-30
Vegetable oil	8001-79-4	20-25
Vinyl resin	63148-65-2	10-15
Poly(tetrafluoroethylene)	9002-84-0	1-3
TITANIUM DIOXIDE	13463-67-7	1-3

Ingredients which have exposure limits

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
ISOPROPYL ALCOHOL	400 ppm TWA	400 ppm TWA	400 ppm TWA
TALC	983 mg/m ³	980 mg/m ³	DuPont AEL
Vegetable oil	2 mg/m ³ TWA respirable dust	2 mg/m ³ TWA respirable dust	None
Poly(tetrafluoroethylene)	10 mg/m ³ mist	15mg/m ³ mistdust 5mg/m ³ mist resp	None
TITANIUM DIOXIDE	None	None	AEL (DuPont) 5mg/m ³ 8hr dust
Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)	None
ISOPROPYL ALCOHOL	500 ppm	500 ppm	
	1230 mg/m ³	1225 mg/m ³	

3. HAZARDS IDENTIFICATION

Toxicity: Eye irritant. Moderately toxic by ingestion.
 Primary Routes of Entry: Inhalation, ingestion, contact.
 Signs and Symptoms of Exposure: Vapors cause irritation of eyes, nose and throat above TLV. Headache, nausea, dizziness may occur.
 Existing Conditions Aggravated by Exposure: Skin, eye, and respiratory disorders.

Ingredients	Literature Referenced Target Organ and Other Health Effects	Carcinogen		
		NTP	IARC	OSHA
ISOPROPYL ALCOHOL	ALG CNS IRR	NO	N/A	NO
TALC	AC4 IRR LUN	NO	N/A	NO
Vegetable oil	IRR	NO	NO	NO
Vinyl resin	IRR	NO	NO	NO
Poly(tetrafluoroethylene)	No Data	NO	N/A	NO
TITANIUM DIOXIDE	AC4 IRR NUI	NO	NO	NO

Abbreviations

N/A Not Applicable
 ALG Allergen
 IRR Irritant
 NUI Nuisance dust
 AC4 ACGIH-Unclassifiable as human carc.
 CNS Central nervous system
 LUN Lung

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Product Name: Permatex(R) Thread Sealant with Teflon(R)
Item No.: 806314. 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.

5. FIRE FIGHTING MEASURES

Flash Point: 74°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 Decomposition: Toxic fluorides
 Unusual Fire or Explosion Hazards: None
 Explosive Limits:
 (% by volume in air) Lower 2.3%
 (% by volume in air) Upper 12.7%

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case of spill or leak: Remove ignition sources. Maintain adequate ventilation. Soak up with an inert absorbent. Store in a closed container until disposal. Clean up with isopropyl alcohol.

7. HANDLING AND STORAGE

Safe Storage: Store away from heat, sparks or flame.
 (Contact Loctite Customer Service 1-800-243-4874 for shelf life information)
 Handling: Avoid eye contact. Avoid prolonged skin contact or prolonged breathing of fumes.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Safety glasses or goggles.
 Skin: Rubber or plastic gloves.
 Ventilation: Must be adequate to avoid exceeding TLV.
 Respiratory: Not available
 See Section 2 for Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White paste
 Odor: Alcoholic
 Boiling Point: 180°F
 pH: Does not apply
 Solubility in Water: Partial
 Specific Gravity: 1.12 at 77°F
 Volatile Organic Compound (EPA Method 24): 37.9%
 Vapor Pressure: 33 mm at 68°F
 Vapor Density: 2.07
 Evaporation Rate (Ether = 1): 7.7

10. STABILITY AND REACTIVITY

Stability: Stable
 Hazardous Polymerization: Will not occur
 Incompatibility: Strong oxidizing agents.
 Conditions to Avoid: Not available
 Hazardous Decomposition Products (non-thermal): None

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Product Name: Permatex(R) Thread Sealant with Teflon(R)
Item No.: B063111. TOXICOLOGICAL INFORMATION

See Section 3.

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONSRecommended methods of disposal: Incinerate following EPA and local regulations.
EPA Hazardous Waste Number: D001 - Hazardous waste per 40CFR 261.2114. TRANSPORTATION INFORMATION

DOT (49 CFR 172)

Domestic Ground Transport
Proper Shipping Name:Consumer Commodity (Not more than five liters);
Resin solution (More than five liters)Hazard Class or
Division:ORM-D (Not more than five liters);
Class 3, Packing Group III (More than five liters)

Identification Number:

None (Not more than five liters);
UN 1865 (More than five liters)

Marine Pollutant:

None

IATA

Proper Shipping Name:

Consumer Commodity (Not more than 500 ml);
Resin Solution (More than 500 ml)

Class or Division:

Class 9 (Not more than 500 ml);
Class 3, Packing Group III (More than 500 ml)

UN or ID Number:

ID 8000 (Not more than 500 ml);
UN 1865 (More than 500 ml)15. REGULATORY INFORMATION

CA Proposition 65: No Prop65 chemicals are known to be present.

16. OTHER INFORMATION

Estimated NFPA(R) Code:

Health Hazard: 2

Fire Hazard: 3

Reactivity Hazard: 0

Specific Hazard: Does not apply

Estimated HMIS(R) Code:

Health Hazard: 2

Flammability Hazard: 3

Reactivity Hazards: 0

Personal Protection: See Section 8.

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

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