

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Thread Sealant with Teflon(R)  
 Item No.: 80693 (3oz/1)  
 Part No.: 14D  
 Product Type: Sealant

*PK*

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

3. HAZARDS IDENTIFICATION

Toxicity: Eye Irritant, Moderately toxic by ingestion.  
 Primary Routes of Entry: Inhalation, ingestion, contact.  
 Signs and Symptoms: 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.

Literature Referenced: Target Organ and Other Health Effects

Ingredients	ALG	BLO	CNS	IRR	KID	Carcinogen NTP IARC OSHA
ISOPROPYL ALCOHOL	IRR	BLO	CNS	IRR	KID	NO
TALC	IRR	LUN	SDM	IRR	IRR	NO
Vegetable oil	IRR			IRR		NO
Vinyl resin	IRR			IRR		NO
Poly(tetrafluoroethylene)	NTD			NTD		NO
TITANIUM DIOXIDE	IRR			RES		NO

Abbreviations

N/A Not Applicable  
 BLO Blood  
 IRR Irritant  
 LUN Lung  
 RES Respiratory  
 ALG Allergen  
 CNS Central nervous system  
 KID Kidney  
 NTD No Target Organs  
 SDM Evidence of some carcinogenicity

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:  
Recommended

74 F

Method: Tag closed cup

Extinguish with: foam, dry chemical

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 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

#### 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: D001 - Hazardous waste per 40CFR 261.21

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 Item No: 80633 (3054)

14. 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 1866 (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 1866 (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 registered

trademark of the National Fire Protection Assn.  
 trademark of the National Paint and Coatings Assn.

Prepared By:

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