



Chemical Name: Thread Sealant with PTFE

Manufacturer: Permatex

Container size: 4oz.

Location: VLA

Disposal: Place empty container in trash.

ITW Permatex
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Material Safety Data Sheet

1. PRODUCT IDENTIFICATION

Product Name: 14H THREAD SEALANT W/PTFE 4 FL.OZ.
Item No: 80632
Product Type: Sealant

2. COMPOSITION/INFORMATION ON INGREDIENTS

| Component | Weight% | ACGIH; TLV-TWA | OSHA PEL |
|--------------------------------------|---------|----------------------|----------------------------------|
| TALC 14807-96-6 | 20-40 | 2 mg/m ³ | 20 mppcf |
| ETHANOL 64-17-5 | 20-40 | 1000 ppm | 1000 ppm; 1900 mg/m ³ |
| CASTOR OIL 8001-79-4 | 20-40 | Not listed | Not listed |
| POLYVINYL RESIN 63148-65-2 | <10 | Not listed | Not listed |
| 2-PROPANOL 67-63-0 | <5 | 200 ppm | 400 ppm; 980 mg/m ³ |
| TITANIUM DIOXIDE 13463-67-7 | <3 | 10 mg/m ³ | 15 mg/m ³ |
| METHANOL 67-56-1 | <2 | 200 ppm | 200 ppm; 260 mg/m ³ |
| POLYTETRAFLUOROETHYLENE 9002-84-0 | <2 | Not listed | Not listed |

3. HAZARDS IDENTIFICATION

Toxicity: May cause eye, skin and respiratory irritation. Methanol may cause blindness or death if swallowed.
Primary Routes of Entry: Eye and skin contact, ingestion, inhalation
Signs and Symptoms of Exposure: Excessive accidental exposure may cause headache, dizziness, nausea and mild respiratory irritation. Overexposure may cause eye and skin redness.

| Component | Weight% | NTP | ACGIH Carcinogens | IARC Carcinogen |
|--------------------------------------|---------|---|---|--|
| TALC 14807-96-6 | 20-40 | male rat-some evidence, female rat-clear evidence, male mice-no evidence, female mice-no evidence | A4- Not classifiable as a human carcinogen | Group 3 Supplement 7, 1987 Monograph 42, 1987 |
| ETHANOL 64-17-5 | 20-40 | | A4 - Not Classifiable as a Human Carcinogen | Group 1; Monograph 100E, Monograph 96 (2010) |
| 2-PROPANOL 67-63-0 | <5 | | A4 - Not classifiable as a human carcinogen | Group 3 Monograph 71, 1999; Supp.7, 1987; Monograph 15, 1977 |
| TITANIUM DIOXIDE 13463-67-7 | <3 | male rat-negative, female rat-negative, male mice-negative, female mice-negative | A4 | Group 2B; Vol 93,2006; Vol 47,1989 |
| POLYTETRAFLUOROETHYLENE 9002-84-0 | <2 | | | Group 3 Supplement 7, 1987; Monograph 19, 1979 |

Aggravated Medical Condition: Preexisting eye, skin and respiratory disorders may be aggravated by overexposure to this product.

4. FIRST AID MEASURES

Ingestion: Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

4. FIRST AID MEASURES

| | |
|----------------------|---|
| Inhalation: | Move to fresh air in case of accidental inhalation of vapours. Oxygen or artificial respiration if needed. Obtain medical attention. |
| Skin Contact: | Wash off with soap and water. If skin irritation persists, call a physician. |
| Eye Contact: | In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists. |

5. FIRE FIGHTING MEASURES

| | |
|--|--|
| Flash Point °F(C°): | 74°F TCC |
| Recommended Extinguishing Media: | Carbon Dioxide, Dry Chemicals, Foam. |
| Special Fire-Fighting Procedures: | Firefighters should wear self-contained breathing apparatus. Water spray may be ineffective on flames but should be used to keep fire-exposed containers cool. |
| Hazardous Products of Combustion: | Oxides of carbon, Fluoride compounds |
| Unusual Fire/Explosion Hazards: | Closed containers may rupture or explode when exposed to extreme heat. |
| Lower Explosive Limit: | 2.3 |
| Upper Explosive Limit: | 12.7 |

6. ACCIDENTAL RELEASE MEASURES

| | |
|--------------------------|---|
| Spill Procedures: | Eliminate all sources of ignition. Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal. Residues may be cleaned up with isopropyl alcohol. |
|--------------------------|---|

7. HANDLING AND STORAGE

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|------------------|--|
| Storage: | Store away from heat, sparks or open flame. Do not store at temperatures above 100°F (38°C). |
| Handling: | Avoid contact with skin and eyes. Do not inhale vapors. Wash hands before eating and smoking. Keep container closed when not in use. |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| | |
|--------------------------------|--|
| Eyes: | Safety glasses. |
| Skin: | Neoprene or nitrile gloves recommended. |
| Ventilation: | General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits (or to the lowest feasible levels when limits have not been established) during the use of this product. |
| Respiratory Protection: | An approved organic vapor respirator should be worn when exposures are expected to exceed the applicable 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: | 1.06-1.10 |
| VOC(Wt.%): | 36.5%; 395 g/L |
| Vapor Pressure: | 33 mm Hg @ 68°F |
| Vapor Density (Air=1): | 2.07 |
| Evaporation Rate: | 7.7 (ether = 1) |

10. STABILITY AND REACTIVITY

| | |
|--|---|
| Chemical Stability: | Stable at normal conditions |
| Hazardous Polymerization: | Will not occur |
| Incompatibilities: | Strong oxidizers |
| Conditions to Avoid: | Keep away from heat, sparks and open flame. - No smoking. |
| Hazardous Products of Combustion: | Oxides of carbon, Fluoride compounds |

11. TOXICOLOGICAL INFORMATION

See Section 3

12. ECOLOGICAL INFORMATION

No data available

Product Name: 14H THREAD SEALANT W/PTFE 4 FL.OZ.

Item No. 80632

13. DISPOSAL CONSIDERATIONS

Recommended Method of Disposal: Disposal should be made in accordance with federal, state and local regulations.
US EPA Waste Number: D001 as per 40CFR 261.21

14. TRANSPORTATION INFORMATION

DOT (49CFR 172)

U.S. Department of Transportation - DOT - 49 CFR (Ground)

DOT Shipping Name: Adhesives, Limited Quantity
Hazard Class: Class 3 PGIII
UN/ID Number: UN 1133

IATA (Air)

Proper Shipping Name: Consumer Commodity (Not more than 1 liter)
Class or Division: Class 9
UN/ID Number: ID 8000

IMDG (Vessel)

Proper Shipping Name: Adhesives, Limited Quantity
Hazard Class: Class 3 PGIII
UN Number: UN 1133

Marine Pollutant: None

15. REGULATORY INFORMATION

SARA 313 Chemicals: The following component(s) is listed as a SARA Section 313 Toxic Chemical.

Methanol

California Proposition 65: No California Prop 65 chemicals are known to be present.

TSCA Inventory Status: All components of this product are listed (or exempt) on the EPA TSCA inventory.

16. OTHER INFORMATION

Estimated NFPA Rating: HEALTH 2, FLAMMABILITY 3, REACTIVITY 0.

Estimated HMIS Classification: HEALTH 2, FLAMMABILITY 3, PHYSICAL HAZARD 0

(NFPA is a registered trademark of the National Fire Protection Association)

HMIS is a registered trademark of the National Paint and Coatings Association

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