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Canadian Workplace Hazardous Materials Information System Material Safety Data Sheet

I. PRODUCT IDENTIFICATION

Product Name: 14D THREAD SEALANT WITH PTFE 16 FL.OZ.
Item No: 80633
Product Type: Sealant

II. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	LD50/oral/rat	LC50/inhalation/rat	ACGIH; TLV-TWA
ETHANOL 64-17-5	20-40	7060 mg/kg	not available	1000 ppm
TALC 14807-96-6	20-40	not available	not available	2 mg/m ³
CASTOR OIL 8001-79-4	20-40	not available	not available	
POLYVINYL RESIN 63148-65-2	<10	oral rat >5000 mg/kg	not available	
2-PROPANOL 67-63-0	<5	4396 mg/kg	72.6 mg/L/4H	200 ppm
TITANIUM DIOXIDE 13463-67-7	<3	>10000 mg/kg	not available	10 mg/m ³
METHANOL 67-56-1	<2	5628 mg/kg	82.3 mg/L/4H; 64000 ppm/4H	200 ppm
POLYTETRAFLUOROETHYLENE 9002-84-0	<2	not available	45 mg/m ³ /30M	

III. PHYSICAL DATA

Physical State/Appearance: White paste
Odour & Odour Threshold: Alcohol odour
Specific Gravity: 1.08
Evaporation Rate: >1 (Ether = 1)
Vapour Pressure: 33 mmHg @ 20°C
Vapour Density: 2.07
Freezing Point: Not determined
pH: Does not apply
Octanol/Water Coefficient: Not determined
Boiling Point: 82°C @ 760 mmHg

IV. FIRE AND EXPLOSIVE DATA

Recommended Extinguishing Media: Carbon Dioxide, Dry Chemicals, Foam.
Hazardous Combustion Products: Irritating organic vapours, Toxic fluorides.
Sensitivity to Static Discharge: Sensitivity to static discharge is expected; material has a flash point below 50 degrees C.
Conditions of Flammability: FLAMMABLE: Keep from heat and open flame. Keep containers cool.
Flash Point/Range: 40°C TCC
Autoignition Temperature: Not determined
Upper Explosive Limit: 12.7%
Lower Explosive Limit: 2.3%

V. REACTIVITY DATA

Conditions Causing Chemical Instability: None
Materials to avoid: Strong oxidizing agents
Conditions of Reactivity: None
Hazardous Decomposition Products: Carbon oxides, Fluorinated products

VI. HAZARDS IDENTIFICATION

Primary Routes of Exposure: Eye and skin contact, ingestion, inhalation

VI. HAZARDS IDENTIFICATION

Existing Conditions Aggravated by Exposure: Preexisting eye, skin and respiratory disorders

Toxicity Information: (See Effects of Acute Exposure to Product)

Effects of Acute Exposure: Eye contact: Direct contact causes eye irritation. . Moderately toxic if swallowed. Irritating to mouth, throat and stomach with nausea.

Effects of Chronic Exposure: See (Effects of Acute Exposure to Product).

Irritancy of Product: Vapor above TLV is irritating to eyes, nose, and throat and can cause headache, dizziness, nausea.

Sensitization to Product: (See Effects of Acute Exposure to Product)

Carcinogenicity: (See Effects of Chronic Exposure to Product)

Reproductive Toxicity: (See Effects of Chronic Exposure to Product)

Teratogenicity: (See Effects of Chronic Exposure to Product)

Mutagenicity: (See Effects of Chronic Exposure to Product)

Toxicologically Synergistic Products: None known

WHMIS Hazard Class: B2 FLAMMABLE LIQUIDS, D2B TOXIC MATERIALS

VII. PREVENTATIVE MEASURES

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.

In case of insufficient ventilation, wear an organic vapor respirator.

Engineering Controls: 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.

Spill Procedures: Follow Canadian and local regulations for disposal.

Protection of Man and Environment: Store away from heat, sparks and open flame. Store at temperatures below 50°C. Use with adequate ventilation. Use good personal hygiene. Avoid smoking, eating or drinking during use.

Handling Procedures and Equipment: Avoid prolonged breathing of vapor. Keep away from eyes. Avoid prolonged contact with skin. Do not smoke while using. Wash hands after use. Keep away from heat, sparks and open flame.

Special Handling Information: Avoid prolonged breathing of vapor. Keep away from eyes. Avoid prolonged contact with skin. Do not smoke while using. Wash hands after use. Keep away from heat, sparks and open flame.

VIII. 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.

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.

IX. SHIPPING INFORMATION

Canadian Transportation of Dangerous Goods

Proper Shipping Name: Adhesives (May qualify as a Consumer Commodity or Limited Quantity. Refer to TDG).

Hazard Class: Class 3, Packing Group III

UN/ID No: UN 1133

IATA

Proper Shipping Name: Consumer Commodity (Not more than 1 liter)

Class or Division: Class 9

UN/ID Number: ID 8000

IMDG

Proper Shipping: Adhesives containing flammable liquid, Limited Quantity

Hazard Class: Class 3 PGIII

UN Number: UN 1133

X. PREPARATION INFORMATION

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

HMIS is a registered trademark of the National Paint and Coatings Assn.

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

NFPA is a registered trademark of the National Fire Protection Assn.

Product Name: 14D THREAD SEALANT WITH PTFE 16
FL.OZ.

Item No: 80633

X. PREPARATION INFORMATION

Prepared By: Denise Boyd, Manager-Environmental, Health & Safety

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Company:

Permatex Canada, Inc. 8450 Lawson Rd. Unit 1, Milton, ON L9T 0A4

Revision Number: 7

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