



Revision Number: 002.2

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## 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Product name:</b>	<b>LOCTITE® THREAD SEALANT WITH PTFE</b>	<b>IDH number:</b>	234956
<b>Product use:</b>	Sealant	<b>Item number:</b>	30561
		<b>Region:</b>	Canada
<b>Company address:</b>	<b>Contact information:</b>		
Henkel Canada Corporation	Telephone: 905.814.6511		
2225 Meadowpine Boulevard	MEDICAL EMERGENCY Phone: Poison Control Center		
Mississauga, Ontario L5N 7P2	1-877-671-4608 (toll free) or 1-303-592-1711		
	TRANSPORT EMERGENCY Phone: CHEMTREC		
	1-800-424-9300 (toll free) or 1-703-527-3887		
	Internet: www.henkelna.com		

## 2. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

<b>Physical state:</b>	Paste	<b>WHMIS hazard class:</b>	B.2, D.2.A, D.2.B
<b>Color:</b>	White		
<b>Odor:</b>	Alcoholic		

**WARNING:** FLAMMABLE LIQUID AND VAPOR.  
MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.  
MAY BE HARMFUL IF SWALLOWED OR INHALED.

**Relevant routes of exposure:** Skin, Inhalation, Eyes, Ingestion

### Potential Health Effects

<b>Inhalation:</b>	May be harmful if inhaled. Vapors may cause headaches, nausea, dizziness and respiratory tract irritation.
<b>Skin contact:</b>	May cause skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin.
<b>Eye contact:</b>	May cause mild irritation Symptoms may include stinging, tearing, redness, swelling, and blurred vision.
<b>Ingestion:</b>	May be harmful if swallowed. Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Existing conditions aggravated by exposure:** Eye, skin, and respiratory disorders.

See Section 11 for additional toxicological information.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components	CAS NUMBER	%
2-Propanol	67-63-0	30 - 60
Talc	14807-96-6	10 - 30
Castor oil	8001-79-4	10 - 30
Polyvinyl butyral - polyvinyl alcohol - polyvinyl acetate terpolymer	27360-07-2	10 - 30
Titanium dioxide	13463-67-7	1 - 5
Ethene, tetrafluoro-, homopolymer	9002-84-0	1 - 5
Quartz (SiO <sub>2</sub> )	14808-60-7	0.1 - 1

#### 4. FIRST AID MEASURES

<b>Inhalation:</b>	Move to fresh air. If symptoms persist, seek medical advice.
<b>Skin contact:</b>	Wash with soap and water.
<b>Eye contact:</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
<b>Ingestion:</b>	Do not induce vomiting. Keep individual calm. Get medical attention.

#### 5. FIRE FIGHTING MEASURES

<b>Flash point:</b>	23 °C (73.4 °F) Tagliabue closed cup
<b>Autoignition temperature:</b>	398.3 °C (748.94 °F) Estimated
<b>Flammable/Explosive limits - lower:</b>	2.3 %
<b>Flammable/Explosive limits - upper:</b>	12.7 %
<b>Extinguishing media:</b>	Water spray (fog), foam, dry chemical or carbon dioxide.
<b>Special firefighting procedures:</b>	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
<b>Unusual fire or explosion hazards:</b>	None
<b>Hazardous combustion products:</b>	Oxides of carbon. Toxic fluorides.
<b>Sensitivity to Mechanical Impact:</b>	Not available
<b>Sensitivity to static discharge:</b>	Not available

#### 6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

<b>Environmental precautions:</b>	Ventilate area. Remove all sources of ignition.
<b>Clean-up methods:</b>	Remove all sources of ignition. Ventilate area. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Store in a partly filled, closed container until disposal.

#### 7. HANDLING AND STORAGE

<b>Handling:</b>	Do not get in eyes. Keep away from heat, spark and flame.
<b>Storage:</b>	Store away from heat, sparks, flames, or other sources of ignition.

For information on product shelf life contact Henkel Canada Customer Service at (905) 814-6511.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
2-Propanol	200 ppm TWA 400 ppm STEL	400 ppm (980 mg/m3) TWA	None	None
Talc	2 mg/m3 TWA Respirable fraction.	20 MPPCF TWA 2.4 MPPCF TWA Respirable. 0.1 mg/m3 TWA Respirable. 0.3 mg/m3 TWA Total dust.	None	50 ppm
Castor oil	None	None	None	None
Polyvinyl butyral - polyvinyl alcohol - polyvinyl acetate terpolymer	None	None	None	None
Titanium dioxide	10 mg/m3 TWA	15 mg/m3 TWA Total dust.	None	None
Ethene, tetrafluoro-, homopolymer	None	None	None	10 mg/m3 TWA Total dust. 5 mg/m3 TWA Respirable fraction.
Quartz (SiO2)	0.025 mg/m3 TWA Respirable fraction.	2.4 MPPCF TWA Respirable. 0.1 mg/m3 TWA Respirable. 0.3 mg/m3 TWA Total dust.	None	None

**Engineering controls:**

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

**Respiratory protection:**

Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

**Eye/face protection:**

Safety goggles or safety glasses with side shields.

**Skin protection:**

Chemical resistant, impermeable gloves.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Paste
<b>Color:</b>	White
<b>Odor:</b>	Alcoholic
<b>Odor threshold:</b>	Not available
<b>pH:</b>	Not applicable
<b>Vapor pressure:</b>	33 mm hg (20 °C (68°F))
<b>Boiling point/range:</b>	82 °C (179.6 °F)
<b>Melting point/ range:</b>	Not determined
<b>Specific gravity:</b>	1.12 at 25 °C (77°F)
<b>Vapor density:</b>	2.07
<b>Flash point:</b>	23 °C (73.4 °F) Tagliabue closed cup
<b>Flammable/Explosive limits - lower:</b>	2.3 %
<b>Flammable/Explosive limits - upper:</b>	12.7 %
<b>Autoignition temperature:</b>	398.3 °C (748.94 °F) Estimated
<b>Evaporation rate:</b>	7.7 (Ether = 1)
<b>Solubility in water:</b>	partially soluble
<b>Partition coefficient (n-octanol/water):</b>	Not determined
<b>VOC content:</b>	35.98 %; 343.43 g/l

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable
<b>Hazardous reactions:</b>	Will not occur.
<b>Hazardous decomposition products:</b>	Toxic fluorides. Oxides of carbon.
<b>Incompatible materials:</b>	Oxidizing agents. Acids. Aldehydes. Amines.
<b>Conditions to avoid:</b>	Heat, flames, sparks and other sources of ignition.

## 11. TOXICOLOGICAL INFORMATION

**Toxicologically synergistic products:** Not available

Refer to the following for Irritancy of Product, Sensitization to Product, Carcinogenicity, Reproductive Toxicity, Teratogenicity, and Mutagenicity.

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)	ACGIH Carcinogen
2-Propanol	No	No	No	Group A4
Talc	No	No	No	Group A4
Castor oil	No	No	No	No
Polyvinyl butyral - polyvinyl alcohol - polyvinyl acetate terpolymer	No	No	No	No
Titanium dioxide	No	Group 2B	No	Group A4
Ethene, tetrafluoro-, homopolymer	No	No	No	No
Quartz (SiO <sub>2</sub> )	Known carcinogen.	Group 1	No	Group A2

Hazardous components	LD50s and LC50s	Health Effects/Target Organs
2-Propanol	Oral LD50 (RAT) = 5,045 mg/kg Oral LD50 (rabbit) = 6,410 mg/kg Oral LD50 (RAT) = 4.7 g/kg Oral LD50 (rabbit) = 5.03 g/kg Oral LD50 (rabbit) = 8.0 g/kg Dermal LD50 (rabbit) = 12,800 mg/kg	Allergen, Blood, Brain, Central nervous system, Irritant, Kidney, Liver, Spleen
Talc	None	Irritant, Lung, Some evidence of carcinogenicity
Castor oil	None	Irritant
Polyvinyl butyral - polyvinyl alcohol - polyvinyl acetate terpolymer	None	No Records
Titanium dioxide	None	Irritant, Respiratory, Some evidence of carcinogenicity
Ethene, tetrafluoro-, homopolymer	None	No Target Organs
Quartz (SiO <sub>2</sub> )	None	Immune system, Lung, Some evidence of carcinogenicity

## 12. ECOLOGICAL INFORMATION

**Ecological information:** Not available

### 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Follow all local, state, federal and provincial regulations for disposal.

### 14. TRANSPORT INFORMATION

#### Canada Transportation of Dangerous Goods - Ground

Proper shipping name: RESIN SOLUTION  
Hazard class or division: 3  
Identification number: UN 1866  
Packing group: III

#### International Air Transportation (ICAO/IATA)

Proper shipping name: Resin solution  
Hazard class or division: 3  
Identification number: UN 1866  
Packing group: III  
Exceptions: Consumer Commodity, ID 8000, Class 9, (Not more than 500 ml)

#### Water Transportation (IMO/IMDG)

Proper shipping name: RESIN SOLUTION  
Hazard class or division: 3  
Identification number: UN 1866  
Packing group: III

### 15. REGULATORY INFORMATION

#### Canada Regulatory Information

CEPA DSL/NDSL Status: All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

#### United States Regulatory Information

TSCA 8 (b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

### 16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: New Material Safety Data Sheet format.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation (CPR), and the MSDS contains all the information required by the CPR.

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