1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: PST® Thread Sealant Stick
Product type: Anaerobic Sealant
Company address: Henkel Corporation
1001 Trout Brook Crossing
Rocky Hill, Connecticut 06067

Item No.: 37615
Region: United States
Contact Information:
Telephone: 860.571.5100
Emergency telephone: 860.571.5100
Internet: www.loctite.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>%</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>OTHER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyglycol dioctanoate</td>
<td>30-60</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Polyglycol dimethacrylate</td>
<td>10-30</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Dimethacrylate ester</td>
<td>5-10</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Thixotropic agent</td>
<td>5-10</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Bisphenol A fumarate resin</td>
<td>5-10</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Poly(tetrafluoroethylene)</td>
<td>1-5</td>
<td>None</td>
<td>None</td>
<td>AEL (DuPont): 10 mg/m³, 8 Hr TWA, total dust; 5mg/m³, 8 hr. TWA respirable dust</td>
</tr>
<tr>
<td>Silica, amorphous, fumed, crystalline-free</td>
<td>1-5</td>
<td>6 mg/m³ TWA</td>
<td>10 mg/m³ TWA</td>
<td>3 mg/m³ TWA respirable dust</td>
</tr>
<tr>
<td>Ethylene glycol</td>
<td>1-5</td>
<td>100 mg/m³ Ceiling aerosol only</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>1-5</td>
<td>10 mg/m³ TWA</td>
<td>15 mg/m³ TWA total dust</td>
<td>None</td>
</tr>
<tr>
<td>Saccharin</td>
<td>1-5</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HMIS:
- Physical state: Wax
- Color: White
- Odor: Mild

HEALTH: 2*
FLAMMABILITY: 1
PHYSICAL HAZARD: 1
Personal Protection: See Section 8

WARNING:
Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects

Inhalation: May cause respiratory tract irritation. Vapors may cause headaches, nausea, dizziness and respiratory tract irritation. May cause symptoms of intoxication.

Skin contact: May cause allergic skin reaction.

Eye contact: Contact with eyes will cause irritation.

Ingestion: Not expected to be harmful by ingestion.

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

See Section 11 for additional toxicological information.

4. FIRST AID MEASURES

Inhalation: Remove to fresh air. If symptoms develop and persist, get medical attention.

Skin contact: Wash with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if symptoms occur.

Eye contact: Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time. Get medical attention.

Ingestion: Do not induce vomiting. Keep individual calm. Obtain medical attention.

5. FIRE-FIGHTING MEASURES

Flash point: Product is a solid. Flame Extension: Greater than 7.0 cms (2.8 inches)

Autoignition temperature: Not available

Flammable/Explosive limits-lower %: Not available

Flammable/Explosive limits-upper %: Not available

Extinguishing media: Foam, dry chemical or carbon dioxide.

Special fire fighting procedures: None

Unusual fire or explosion hazards: None


6. ACCIDENTAL RELEASE MEASURES

Environmental precautions: Prevent product from entering drains or open waters.

Clean-up methods: Soak up with inert absorbent. Store in a partly filled, closed container until disposal.

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Product name: PST® Thread Sealant Stick
7. HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling. Use only with adequate ventilation.

Storage: For safe storage, store at or below 38°C (100°F). Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.

Incompatible products: Refer to Section 10.

For information on product shelf life contact Henkel Customer Service at (800) 243-4874.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls: No specific ventilation requirements noted, but forced ventilation may still be required if concentrations exceed occupational exposure limits.

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

Skin protection: Use impermeable gloves and protective clothing as necessary to prevent skin contact.

Eye/face protection: Safety goggles or safety glasses with side shields.

See Section 2 for exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Wax
Color: White
Odor: Mild
Vapor pressure: Less than 10 mm Hg at 27°C (80°F)
PH: Not applicable
Boiling point/range: Greater than 149°C (300°F)
Melting point/range: Not available
Specific gravity: 1.1394
Vapor density: Not available
Evaporation rate: Not available
Solubility in water: Slight
Partition coefficient (n-octanol/water): Not available
VOC content: 1.0586%; 12.06 grams/liter

10. STABILITY AND REACTIVITY

Stability: Stable.

Hazardous polymerization: Will not occur.


Incompatibility: Strong oxidizers.

Conditions to avoid: See "Handling and Storage" (Section 7) and "Incompatibility" (Section 10).

11. TOXICOLOGICAL INFORMATION

Product toxicity data: Acute LD50 (oral): Greater than 10000 (rat). (estimated). Acute dermal LD50 greater than 5000 mg/kg (rabbit)(estimated).

Carcinogen Status

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Product name: PST® Thread Sealant Stick
<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>NTP Carcinogen</th>
<th>IARC Carcinogen</th>
<th>OSHA Carcinogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyglycol dioctanoate 18268-70-7</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Polyglycol dimethacrylate 25852-47-5</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Dimethacrylate ester Proprietary</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Thixotropic agent UNKNOWN</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Bisphenol A fumarate resin 39382-25-7</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Poly(tetrafluoroethylene) 9002-84-0</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Silica, amorphous, fumed, crystalline-free 112945-52-5</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Ethylene glycol 107-21-1</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Titanium dioxide 13463-67-7</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Saccharin 81-07-2</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

**Literature Referenced Target Organ & Other Health Effects**

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>Health Effects/Target Organs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyglycol dioctanoate 18268-70-7</td>
<td>Irritant</td>
</tr>
<tr>
<td>Polyglycol dimethacrylate 25852-47-5</td>
<td>Allergen, Irritant</td>
</tr>
<tr>
<td>Dimethacrylate ester Proprietary</td>
<td>Allergen, Irritant</td>
</tr>
<tr>
<td>Thixotropic agent UNKNOWN</td>
<td>No data</td>
</tr>
<tr>
<td>Bisphenol A fumarate resin 39382-25-7</td>
<td>Allergen, Irritant</td>
</tr>
<tr>
<td>Poly(tetrafluoroethylene) 9002-84-0</td>
<td>No Target Organs</td>
</tr>
<tr>
<td>Silica, amorphous, fumed, crystalline-free 112945-52-5</td>
<td>Nuisance dust</td>
</tr>
<tr>
<td>Ethylene glycol 107-21-1</td>
<td>Blood, Bone Marrow, Central nervous system, Developmental, Eyes, Irritant, Kidney, Liver, Metabolic</td>
</tr>
<tr>
<td>Titanium dioxide 13463-67-7</td>
<td>Irritant, Respiratory</td>
</tr>
<tr>
<td>Saccharin 81-07-2</td>
<td>No Target Organs</td>
</tr>
</tbody>
</table>

**12. ECOLOGICAL INFORMATION**

Ecological information: Not available

**13. DISPOSAL CONSIDERATIONS**

Information provided is for unused product only.

Recommended method of disposal: Dispose of according to Federal, State and local governmental regulations.

EPA hazardous waste number: Not hazardous

**14. TRANSPORT INFORMATION**

U.S. Department of Transportation Ground (49 CFR):

<table>
<thead>
<tr>
<th>Proper shipping name</th>
<th>Hazard class or division</th>
<th>Identification number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unrestricted</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

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Product name: PST® Thread Sealant Stick
### Packing group:

None

**International Air Transportation (ICAO/IATA):**
- **Proper shipping name:** Unrestricted
- **Hazard class or division:** None
- **Identification number:** None
- **Packing group:** None

**WaterTransportation (IMO/IMDG):**
- **Proper shipping name:** Unrestricted
- **Hazard class or division:** None
- **Identification number:** None
- **Packing group:** None
- **Marine pollutant:** None

### 15. REGULATORY INFORMATION

#### 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.
- **TSCA 12 (b) Export Notification:** 4-Methoxyphenol (150-76-5).

**CERCLA/SARA Section 302 EHS:** None above reporting de minimus.

**CERCLA/SARA Section 311/312:** Immediate Health Hazard, Delayed Health Hazard

**CERCLA/SARA 313:** This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). Cumene hydroperoxide (CAS# 80-15-9).

**California Proposition 65:** This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

#### Canada Regulatory Information

- **CEPA DSL/NDSL Status:** All components are listed on or are exempt from listing on the Domestic Substances List.
- **WHMIS hazard class:** D.2.A, D.2.B

### 16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: 9

Prepared by: Kyra Kozak Woods, Product Safety and Regulatory Affairs Specialist

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