1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Loctite(R) 242(R) Threadlocker Medium Strength
Product type: Anaerobic Sealant
Company address: Henkel Corporation
1001 Trout Brook Crossing
Rocky Hill, Connecticut 06067

Item No.: 24221
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 dimethacrylate</td>
<td>60-100</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>25852-47-5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Polyglycol oleate</td>
<td>10-30</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>9004-96-0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Saccharin</td>
<td>1-5</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>81-07-2</td>
<td></td>
<td></td>
<td></td>
<td></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>112945-52-5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cumene hydroperoxide</td>
<td>1-5</td>
<td>None</td>
<td>None</td>
<td>1 ppm (6 mg/m³) Skin (WEEL), 1 ppm, skin TWA, (WEEL)</td>
</tr>
<tr>
<td>80-15-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Propylene glycol</td>
<td>1-5</td>
<td>None</td>
<td>None</td>
<td>10 mg/m³ TWA, (WEEL)</td>
</tr>
<tr>
<td>57-55-6</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state: Liquid
Color: Blue
Odor: Mild

HEALTH:
FLAMMABILITY:
PHYSICAL HAZARD:
Personal Protection:

2*
1
1
See Section 8

WARNING:
CAUSES EYE IRRITATION.
MAY CAUSE SKIN IRRITATION.
MAY CAUSE ALLERGIC SKIN REACTION.
MAY CAUSE RESPIRATORY TRACT IRRITATION.

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects

Inhalation: May cause respiratory tract irritation.
Skin contact: May cause allergic skin reaction. May cause skin irritation.
Eye contact: Contact with eyes will cause irritation.
Ingestion: Not expected to be harmful by ingestion.

Product name: Loctite(R) 242(R) Threadlocker Medium Strength
Item No.: 24221
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: Greater than 93°C (200°F) Tagliabue closed cup

Autoignition temperature: Not available

Flammable/Explosive limits-lower %: 2.6 % (propylene glycol)

Flammable/Explosive limits-upper %: 12.5 % (propylene glycol)

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.

7. HANDLING AND STORAGE

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

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.

Item No. : 24221

Product name: Loctite(R) 242(R) Threadlocker Medium Strength
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. Neoprene gloves. Butyl rubber gloves. Natural rubber gloves.

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

See Section 2 for exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Physical state:</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color:</td>
<td>Blue</td>
</tr>
<tr>
<td>Odor:</td>
<td>Mild</td>
</tr>
<tr>
<td>Vapor pressure:</td>
<td>Less than 5 mm Hg at 27ºC (80ºF)</td>
</tr>
<tr>
<td>pH:</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Boiling point/range:</td>
<td>Greater than 149ºC (300ºF)</td>
</tr>
<tr>
<td>Melting point/range:</td>
<td>Not available</td>
</tr>
<tr>
<td>Specific gravity:</td>
<td>1.1 at 23.9ºC (75ºF)</td>
</tr>
<tr>
<td>Vapor density:</td>
<td>Not available</td>
</tr>
<tr>
<td>Evaporation rate:</td>
<td>Not available</td>
</tr>
<tr>
<td>Solubility in water:</td>
<td>Slight</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water):</td>
<td>Not available</td>
</tr>
<tr>
<td>VOC content:</td>
<td>4.48%; 49.3 grams/liter (EPA Method 24)</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Stability: Stable.

Hazardous polymerization: Will not occur.


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

11. TOXICOLOGICAL INFORMATION

Product toxicity data: Acute oral LD50 greater than 10,000 mg/kg (rat). Acute dermal LD50 greater than 5000 mg/kg (rabbit).

Carcinogen Status

<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 dimethacrylate 25852-47-5</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Polyglycol oleate 9004-96-0</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>
<tr>
<td>Silica, amorphous, fumed, crystalline-free 112945-52-5</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Cumene hydroperoxide 80-15-9</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Propylene glycol 57-55-6</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Literature Referenced Target Organ & Other Health Effects

Item No.: 24221

Product name: Loctite(R) 242(R) Threadlocker Medium Strength
<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>Health Effects/Target Organs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyglycol dimethacrylate</td>
<td>Allergen, Irritant</td>
</tr>
<tr>
<td>28852-47-5</td>
<td></td>
</tr>
<tr>
<td>Polyglycol oleate</td>
<td>Irritant</td>
</tr>
<tr>
<td>9004-96-0</td>
<td></td>
</tr>
<tr>
<td>Saccharin</td>
<td>No Target Organs</td>
</tr>
<tr>
<td>81-07-2</td>
<td></td>
</tr>
<tr>
<td>Silica, amorphous, fumed, crystalline-free</td>
<td>Nuisance dust</td>
</tr>
<tr>
<td>112945-52-5</td>
<td></td>
</tr>
<tr>
<td>Cumene hydroperoxide</td>
<td>Allergen, Central nervous system, Corrosive, Irritant, Mutagen</td>
</tr>
<tr>
<td>80-15-9</td>
<td></td>
</tr>
<tr>
<td>Propylene glycol</td>
<td>Irritant</td>
</tr>
<tr>
<td>57-55-6</td>
<td></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 a RCRA hazardous waste.

14. TRANSPORT INFORMATION

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

- Proper shipping name: Unrestricted
- Hazard class or division: None
- Identification number: None
- Packing group: None

International Air Transportation (ICAO/IATA):

- Proper shipping name: Unrestricted
- Hazard class or division: None
- Identification number: None
- Packing group: None

Water Transportation (IMO/IMDG):

- Proper shipping name: Unrestricted
- Hazard class or division: None
- Identification number: None
- Packing group: None
- Marine pollutant: None

Item No.: 24221

Product name: Loctite(R) 242(R) Threadlocker Medium Strength

4 of 5
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
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).

CERCLA/SARA 313:

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.B

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: 15

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

DISCLAIMER: The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Corporation does not assume responsibility for any results obtained by persons over whose methods Henkel Corporation has no control. It is the user’s responsibility to determine the suitability of Henkel’s products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any of Henkel Corporation’s products. In light of the foregoing, Henkel Corporation specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel Corporation’s products. Henkel Corporation further disclaims any liability for consequential or incidental damages of any kind, including lost profits.