Material Safety Data Sheet

Revision Date: 01/25/2006

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Loctite(R) 609 Retaining Compound Press Fit
Product type: Anaerobic Adhesive
Company address:
Henkel Corporation
1001 Trout Brook Crossing
Rocky Hill, Connecticut 06067

Item No.: 60921
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>Hydroxyalkyl methacrylate</td>
<td>10-30</td>
<td>None</td>
<td>None</td>
<td>3 ppm (ceiling)</td>
</tr>
<tr>
<td>Coumarone-Indene resin</td>
<td>5-10</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Poly (ethyl methacrylate)</td>
<td>1-5</td>
<td>None</td>
<td>None</td>
<td>None</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)</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: Liquid
Color: Green
Odor: Mild

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

WARNING: CAUSES EYE AND SKIN IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION. MAY CAUSE RESPIRATORY TRACT IRRITATION. MAY BE HARMFUL IF SWALLOWED.

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects:

Inhalation: May cause respiratory tract irritation.
Skin contact: Moderate skin irritation. May cause allergic skin reaction.
Eye contact: Contact with eyes will cause irritation.
Ingestion: May be harmful if swallowed.

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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.

6. FIRE-FIGHTING MEASURES

Flash point:
Greater than 93°C (200°F) Tagliabue closed cup

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:
Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

Unusual fire or explosion hazards:
None

Hazardous combustion products:

8. 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. 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).

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Skin protection: Use impermeable gloves and protective clothing as necessary to prevent skin contact. Neoprene gloves. Butyl rubber gloves. Natural rubber gloves. Glove recommendations are based upon permeation study results for similar products.

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

See Section 2 for exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid
Color: Green
Odor: Mild
Vapor pressure: Less than 5 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: 1.1
Vapor density: Not available
Evaporation rate: Not available
Solubility in water: Slight
Partition coefficient (n-octanol/water): Not available
VOC content: 4.2387%, 40.4603 grams/liter (EPA Method 24)

10. STABILITY AND REACTIVITY

Stability: Stable.
Hazardous polymerization: Will not occur.
Incompatability: Strong oxidizers.
Conditions to avoid: See "Handling and Storage" (Section 7) and "Incompatability" (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)/(estimated).

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 28852-47-5</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Hydroxyalkyl methacrylate 868-77-9</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Coumarone-indene resin 88122-02-6</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Poly (ethyl methacrylate) 9003-42-3</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>Sandarin 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 dimethacrylate 26862-47-8</td>
<td>Allergen, Irritant</td>
</tr>
<tr>
<td>Hydroxyalkyl methacrylate 868-77-9</td>
<td>Allergen, Irritant</td>
</tr>
<tr>
<td>Coumarone-indene resin 89132-02-5</td>
<td>No data</td>
</tr>
<tr>
<td>Poly (ethyl methacrylate) 9003-42-3</td>
<td>Irritant</td>
</tr>
<tr>
<td>Cumene hydroperoxide 80-15-9</td>
<td>Allergen, Central nervous system, Corrosive, Irritant, Mutagen</td>
</tr>
<tr>
<td>Saccharin 81-37-2</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 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

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**15. REGULATORY INFORMATION**

**United States Regulatory Information**

<table>
<thead>
<tr>
<th>TSCA 8 (b) Inventory Status:</th>
<th>All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory. 4-Methoxyphenol (150-76-5).</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCA 12 (b) Export Notification:</td>
<td></td>
</tr>
</tbody>
</table>
| CERCLA/SARA Section 302 EHS: | None above reporting de minimus.  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 Section 311/312: |                                                                                                   |
| 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**

<table>
<thead>
<tr>
<th>CEPA DSL/NDSL Status:</th>
<th>All components are listed on or are exempt from listing on the Domestic Substances List.</th>
</tr>
</thead>
<tbody>
<tr>
<td>WHMIS hazard class:</td>
<td>D.2.B</td>
</tr>
</tbody>
</table>

**16. OTHER INFORMATION**

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

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

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