Loctite(R) 290 Threadlocker Wicking Grade
29021

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Loctite(R) 290 Threadlocker Wicking Grade
Item No.: 29021
Product Type: Anaerobic

2. COMPOSITION, INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS No.</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyglycol dimethacrylate</td>
<td>25852-47-5</td>
<td>90-95</td>
</tr>
<tr>
<td>CUMENE HYDROPEROXIDE*</td>
<td>80-15-9</td>
<td>3-5</td>
</tr>
<tr>
<td>Saccharin</td>
<td>81-07-2</td>
<td>1-3</td>
</tr>
<tr>
<td>N,N-Dialkyltoluidines</td>
<td>613-48-9</td>
<td>0.1-1</td>
</tr>
</tbody>
</table>

* This component is listed as a SARA Section 313 Toxic Chemical.

Ingredients which have exposure limits

<table>
<thead>
<tr>
<th>Exposure Limits (TWA)</th>
<th>ACGIH (TLV)</th>
<th>OSHA (PEL)</th>
<th>OTHER</th>
</tr>
</thead>
<tbody>
<tr>
<td>CUMENE HYDROPEROXIDE</td>
<td>None</td>
<td>None</td>
<td>1ppm(6mg/m3)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Skin(WEEL)</td>
</tr>
</tbody>
</table>

3. HAZARDS IDENTIFICATION

Toxicity: Estimated oral LD50 more than 10000 mg/kg.
Estimated dermal LD50 more than 5000 mg/kg.

Primary Routes of Entry: None known

Signs and Symptoms of Exposure: May cause dermatitis on prolonged contact in sensitive individuals.

Existing Conditions Aggravated by Exposure: None known

http://www.loctite.com/datasheets/msds/29021.html
3. HAZARDS IDENTIFICATION (continued)

Abbreviations

N/A Not Applicable ALG Allergen
CNS Central nervous system COR Corrosive
IRR Irritant MUT Mutagen
NTO No Target Organs

4. FIRST AID MEASURES

Ingestion: Do not induce vomiting. Keep individual calm. Obtain medical attention.
Inhalation: Remove to fresh air. If symptoms persist, obtain medical attention.
Skin Contact: Wash with soap and water.
Eye Contact: Flush at least 15 minutes with water.

5. FIRE FIGHTING MEASURES

Flash Point: More than 200°F Method: Tag Closed Cup
Recommended Extinguishing Agents: Carbon dioxide, foam, dry chemical
Special Firefighting Procedures: Not available
Hazardous Products formed by Fire or Thermal Decomp Irritating organic vapors
Unusual Fire or

http://www.loctite.com/datasheets/msds/29021.html
Explosion Hazards: None

Explosive Limits:
(% by volume in air) Lower Not available
(% by volume in air) Upper Not available

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case of spill or leak: Soak up with an inert absorbent. Store in partly filled, closed container until disposal.

7. HANDLING AND STORAGE

Safe Storage: Store below 100°F
(Contact Loctite Customer Service 1-800-243-4874 for shelf life information)
Handling: Avoid prolonged skin contact. Keep away from eyes.

HENKEL LOCTITE CORPORATION
ROCKY HILL, CONNECTICUT 06067
EMERGENCY PHONE: (860) 571-5100

MATERIAL SAFETY DATA SHEET

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8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Safety glasses or goggles.
Skin: Neoprene, rubber, or butyl rubber gloves.
Ventilation: Use adequate ventilation.
Respiratory Not available

See Section 2 for Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Green liquid
Odor: Mild
Boiling Point: More than 300°F
pH: Does not apply
Solubility in Water: Slight
Specific Gravity 1.07 at 80°F
Volatile Organic Compound (EPA Method 24) 12.6%; 135 grams per liter
Vapor Pressure: Less than 5mm at 80°F
Vapor Density: Not available
Evaporation Rate (Ether = 1) Not available

10. STABILITY AND REACTIVITY

Stability: Stable
Hazardous Polymerization: Will not occur
Incompatibility: None
Conditions to Avoid: Not available
Hazardous Decomposition Products (non-thermal): None

11. TOXICOLOGICAL INFORMATION

See Section 3.

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended methods of disposal: Incinerate following EPA and local regulations.
EPA Hazardous Waste Number: NH - Not a RCRA Hazardous Waste Material

HENKEL LOCTITE CORPORATION 12/29/02
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14. TRANSPORTATION INFORMATION

DOT (49 CFR 172)
Domestic Ground Transport
Proper Shipping Name: Unrestricted
Hazard Class or Division: Unrestricted
Identification Number: None
Marine Pollutant: None

IATA
Proper Shipping Name: Unrestricted
Class or Division: Unrestricted
UN or ID Number: None

15. REGULATORY INFORMATION

CA Proposition 65: WARNING: This product contains chemicals known to
the State of California to cause cancer
and birth defects or other reproductive
harm.
(ppb levels of Arsenic, Cd, Pb, Ni),

16. OTHER INFORMATION

Estimated NFPA(R) Code:
Health Hazard: 1
Fire Hazard: 1
Reactivity Hazard: 1
Specific Hazard: Does not apply

Estimated HMIS(R) Code:
Health Hazard: 1
Flammability Hazard: 1
Reactivity Hazards: 1
Personal Protection: See Section 8.

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

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