1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Loctite(R) Superflex(R) Clear RTV
Item No.: 59530
Product Type: Silicone

2. COMPOSITION, INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS No.</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poly(dimethylsiloxane), dimethyl</td>
<td>63148-62-9</td>
<td>85-90</td>
</tr>
<tr>
<td>SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE</td>
<td>112945-52-5</td>
<td>5-10</td>
</tr>
<tr>
<td>Ethyltriacetoxysilane</td>
<td>17689-77-9</td>
<td>1-5</td>
</tr>
<tr>
<td>Methyltriacetoxysilane</td>
<td>4253-34-3</td>
<td>1-5</td>
</tr>
<tr>
<td>ACETIC ACID</td>
<td>64-19-7</td>
<td>***</td>
</tr>
</tbody>
</table>

***When this product is exposed to moisture, 3-5% acetic acid is formed.

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>SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE</td>
<td>10 mg/m3 TWA</td>
<td>6 mg/m3 TWA</td>
<td>3 mg/m3 TWA resp. dust</td>
</tr>
<tr>
<td>ACETIC ACID</td>
<td>10 ppm TWA</td>
<td>10 ppm TWA</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td>25 mg/m3</td>
<td>25 mg/m3</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Exposure Limits (STEL)</th>
<th>ACGIH (TLV)</th>
<th>OSHA (PEL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACETIC ACID</td>
<td>15 ppm</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td>37 mg/m3</td>
<td></td>
</tr>
</tbody>
</table>
3. HAZARDS IDENTIFICATION

Toxicity: Eye and skin irritant. Moderate by ingestion. When heated to temperatures above 300°F (150°C) in the presence of air, this product can form formaldehyde vapors. Formaldehyde is a potential cancer hazard and a known skin and respiratory sensitizer. Vapors irritate eyes, nose and throat.

Primary Routes of Entry: Skin, ingestion, inhalation.

Signs and Symptoms of Exposure: Acetic acid produced during cure irritates eyes, nose, and throat. Prolonged or repeated exposure may irritate skin.

Existing Conditions Aggravated by Exposure: Methylvtriacetoxyxilane: Eye, skin, and pulmonary disorders.

Literature Referenced

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>Target Organ and Other Health Effects</th>
<th>Carcinogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poly(dimethylsiloxane), dimethyl</td>
<td>IRR</td>
<td>NO NO NO</td>
</tr>
<tr>
<td>SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE</td>
<td>NUI</td>
<td>NO N/A NO</td>
</tr>
<tr>
<td>Ethylvtriacetoxyxilane</td>
<td>No Data</td>
<td>NO NO NO</td>
</tr>
<tr>
<td>Methylvtriacetoxyxilane</td>
<td>NTO</td>
<td>NO NO NO</td>
</tr>
<tr>
<td>ACETIC ACID</td>
<td>ALG COR EYE GAS IMM IRR KID</td>
<td>NO NO NO</td>
</tr>
</tbody>
</table>

Abbreviations

XEROX MSDS#: I-5019
4. FIRST AID MEASURES

Ingestion: Do not induce vomiting. Keep individual calm.
Obtain medical attention.
Inhalation: Remove to fresh air. Treat symptomatically.
Skin Contact: Wipe off paste with paper towel or cloth.
Wash exposed area with soap and water.
Eye Contact: Flush at least 15 minutes with water. Obtain medical attention.

HENKEL LOCTITE CORPORATION 01/12/03
ROCKY HILL, CONNECTICUT 06067
EMERGENCY PHONE: (860) 571-5100
MATERIAL SAFETY DATA SHEET Page 03 of 05

Product Name: Loctite(R) Superflex(R) Clear RTV Silicone Adhesive Sealant
Item No.: 59530

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 Acetic acid, formaldehyde, silica fume.
Unusual Fire or Explosion Hazards: None

Explosive Limits:
(% by volume in air)Lower Acetic acid: 4%
(% by volume in air)Upper Acetic acid: 19.9% at 200°F.

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case of spill or leak: Wipe or scrape up spilled material. Maintain

http://www.loctite.com/datasheets/msds/59530.html 01/14/2003
good ventilation for large spills. Place scrap material in a well ventilated place and allow to cure to rubber.

7. HANDLING AND STORAGE

Safe Storage: Store in a dry area below 90°F. Keep container closed when not in use.

(Contact Loctite Customer Service 1-800-243-4874 for shelf life information)

Handling: Avoid breathing vapor. Avoid eye or skin contact. Acetic acid vapor released during application and cure. Do not wear contact lenses while applying material. Vapor may be trapped under lens.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Safety glasses or goggles.
Skin: Rubber or plastic gloves.
Ventilation: Provide local ventilation for prolonged use in confined area.
Respiratory Not available

See Section 2 for Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear paste
Odor: Sharp, Irritating
Boiling Point: Not Applicable, Polymeric material

pH: Does not apply
Solubility in Water: Polymerized
Specific Gravity 1.01
Volatile Organic Compound
(EPA Method 24) 4.7%; 47.47 grams per liter

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9. PHYSICAL AND CHEMICAL PROPERTIES (continued)

http://www.loctite.com/datasheets/msds/59530.html 01/14/2003
10. STABILITY AND REACTIVITY

Stability: Stable
Hazardous Polymerization: Will not occur
Incompatibility: Polymerized by contact with moisture. Acetic acid liberated.
Conditions to Avoid: Not available
Hazardous Decomposition
Products (non-thermal): None

11. TOXICOLOGICAL INFORMATION

Oral LD50 = 2060 mg/kg.

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended methods of disposal:
Cured rubber scrap can be incinerated. Follow EPA and local regulations.

EPA Hazardous Waste Number
NH - Not a RCRA Hazardous Waste Material

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

HENKEL LOCTITE CORPORATION
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EMERGENCY PHONE: (860) 571-5100

01/12/03
Product Name: Loctite(R) Superflex(R) Clear RTV  
Silicone Adhesive Sealant  

14. TRANSPORTATION INFORMATION (continued)  
Class or Division: Unrestricted  
UN or ID Number: None  

15. REGULATORY INFORMATION  
CA Proposition 65: No California Proposition 65 chemicals are known to be present.  

16. OTHER INFORMATION  
Estimated NFPA(R) Code:  
Health Hazard: 2  
Fire Hazard: 1  
Reactivity Hazard: 1  
Specific Hazard: Does not apply  

Estimated HMIS(R) Code:  
Health Hazard: 2*  
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.  

Prepared By: Stephen Repetto  
Title: Research Chemist - Health & Regulatory Affairs  
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Revision Date: September 24, 2001  
Revision: 0036  

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