1. PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Product name:</th>
<th>Loctite® Vinyl, Fabric and Plastic Adhesive</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID number:</td>
<td>1360694</td>
</tr>
<tr>
<td>Product type:</td>
<td>Adhesive</td>
</tr>
<tr>
<td>Item number:</td>
<td>1360694</td>
</tr>
<tr>
<td>Region:</td>
<td>United States</td>
</tr>
</tbody>
</table>

Company address:
Henkel Corporation
One Henkel Way
Rocky Hill, Connecticut 06067

Contact information:
MEDICAL EMERGENCY Phone: Poison Control Center
1-877-671-4608 (toll free) or 1-303-592-1711
TRANSPORT EMERGENCY Phone: CHEMTREC
1-800-424-9300 (toll free) or 1-703-527-3887
Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW**

<table>
<thead>
<tr>
<th>HMIS:</th>
<th>HEALTH</th>
<th>FLAMMABILITY</th>
<th>PHYSICAL HAZARD</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state:</td>
<td>Paste</td>
<td></td>
<td></td>
<td>See MSDS Section 8</td>
</tr>
<tr>
<td>Color:</td>
<td>Cream</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Odor:</td>
<td>Ketone</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**DANGER:**
MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.
MAY BE HARMFUL IF INHALED.
EXTREMELY FLAMMABLE LIQUID AND VAPOR.

Relevant routes of exposure: Skin, Ingestion, Lungs, Eye contact

Potential Health Effects

**Inhalation:**
May be harmful if inhaled. Vapors and mists will irritate nose and throat and possibly eyes. Vapors may cause headaches, nausea, dizziness and respiratory tract irritation.

**Skin contact:**
Prolonged contact with skin may cause dermatitis. May cause skin irritation with discomfort or rash. Prolonged or repeated contact has caused severe dermatitis including blisters, cracking, edema and redness.

**Eye contact:**

**Ingestion:**
May cause an aspiration hazard if swallowed. Aspirated material can enter lungs and cause damage.

Existing conditions aggravated by exposure: Pre-existing skin, respiratory, central nervous system, liver and kidney conditions may be susceptible.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>CAS NUMBER</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl ethyl ketone</td>
<td>78-93-3</td>
<td>60 - 100</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

**Inhalation:**
Get medical attention. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Move to fresh air.
Skin contact: Remove contaminated clothing and footwear. If symptoms develop and persist, get medical attention. Wash with soap and water.

Eye contact: Get medical attention. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Ingestion: Do not induce vomiting: contains petroleum distillates and/or aromatic solvents. If vomiting occurs, prevent aspiration by keeping the patient’s head below the knees. Aspiration may cause pulmonary edema and pneumonitis. Get medical attention.

5. FIRE FIGHTING MEASURES

Flash point: -9 - -7 °C (15.8 - 19.4 °F) Supplier method

Autoignition temperature: Not available.

Flammable/Explosive limits - lower: 1 %

Flammable/Explosive limits - upper: 6.5 %

Extinguishing media: Foam, dry chemical or carbon dioxide. In case of fire, keep containers cool with water spray.

Special firefighting procedures: Wear a self-contained breathing apparatus with a full face piece operated in pressure-demand or other positive pressure mode. Wear full protective clothing.

Unusual fire or explosion hazards: Closed containers may explode when exposed to extreme heat. Vapors may form explosive mixtures with air. Vapors are heavier than air and may travel along floor to an ignition source.

Hazardous combustion products: Carbon dioxide. Carbon monoxide.

6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental precautions: Do not allow product to enter sewer or waterways. Eliminate all sources of ignition or flammables that may come into contact with a spill of this material. Ventilate area.

Clean-up methods: Absorb spill with inert material. Shovel material into appropriate container for disposal. Wear suitable protective clothing, gloves and eye/face protection.

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin and clothing. During use and until all vapors are gone: Keep area ventilated - do not smoke; extinguish all flames, pilot lights, and heaters; turn off stoves, electrical tools and appliances, and any other sources of ignition. Wash thoroughly after handling. Keep out of the reach of children.

Storage: Keep away from heat, spark and flame. Keep containers closed when not in use.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.
<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>AIHA WEEL</th>
<th>OTHER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl ethyl ketone</td>
<td>200 ppm TWA</td>
<td>200 ppm (590 mg/m³) TWA</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

**Engineering controls:**
Use explosion-proof mechanical ventilation and local exhaust to control contaminants to within their occupational exposure limits during the use of this product.

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

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

**Skin protection:**
Chemical resistant, impermeable gloves. Wear suitable protective clothing.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Paste
**Color:** Cream
**Odor:** Ketone
**Odor threshold:** Not available.
**pH:** Not applicable
**Vapor pressure:** 155 mm Hg (20 °C (68°F))
**Boiling point/range:** 65 - 121 °C (149°F - 249.8 °F)
**Melting point/ range:** Not available.
**Specific gravity:** 1.101
**Vapor density:** > 1 Heavier than air
**Flash point:** -9 - -7 °C (15.8 - 19.4 °F) Supplier method
**Flammable/Explosive limits - lower:** 1 %
**Flammable/Explosive limits - upper:** 6.5 %
**Autoignition temperature:** Not available.
**Evaporation rate:** 4.8 (Butyl acetate = 1)
**Solubility in water:** Insoluble
**Partition coefficient (n-octanol/water):** Not available.
**VOC content:** 79.00 % (calculated)
**Viscosity:** 2,250 - 2,750 mPa.s

### 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions of storage and use.

**Hazardous reactions:** Will not occur.

**Hazardous decomposition products:** Irritating organic vapours. Hydrocarbons. Oxides of carbon.

**Incompatible materials:** Strong oxidizing agents.

**Conditions to avoid:** Heat, flames, sparks and other sources of ignition.

### 11. TOXICOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>NTP Carcinogen</th>
<th>IARC Carcinogen</th>
<th>OSHA Carcinogen (Specifically Regulated)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl ethyl ketone</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>Health Effects/Target Organs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl ethyl ketone</td>
<td>Irritant, Central nervous system</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.

Hazardous waste number: It is the responsibility of the user to determine if an item is hazardous as defined in the Resource Conservation and Recovery Act (RCRA) at the time of disposal. Product uses, transformations, mixtures, processes, etc., may render the resulting material hazardous, under the criteria of ignitability, corrosivity, reactivity and toxicity characteristics of the Toxicity Characteristics Leaching Procedure (TCLP) 40 CFR 261.20-24.

14. TRANSPORT INFORMATION

The shipping classification in this section are for bulk packaging only. Shipping classification may be different for non-bulk packaging as exceptions may apply. Refer to shipping documents for package specific transportation classification.

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

- **Proper shipping name:** Adhesives
- **Hazard class or division:** 3
- **Identification number:** UN 1133
- **Packing group:** II
- **DOT Reportable quantity:** Methyl ethyl ketone

**International Air Transportation (ICAO/IATA)**

- **Proper shipping name:** Adhesives
- **Hazard class or division:** 3
- **Identification number:** UN 1133
- **Packing group:** II

**Water Transportation (IMO/IMDG)**

- **Proper shipping name:** ADHESIVES
- **Hazard class or division:** 3
- **Identification number:** UN 1133
- **Packing group:** II

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:** None above reporting de minimis
- **CERCLA/SARA Section 302 EHS:** None above reporting de minimis
- **CERCLA/SARA Section 311/312:** Immediate Health, Delayed Health, Fire
- **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). Methyl ethyl ketone (CAS# 78-93-3).
- **California Proposition 65:** This product contains a chemical known to the State of California to cause 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 Canadian Domestic Substances List.
- **WHMIS hazard class:** B.2, D.2.A, D.2.B
16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: Reviewed MSDS. Reissued with new date.

Prepared by: Mary Ellen Roddy, Sr. Regulatory Affairs Specialist

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