1. PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Product name:</th>
<th>Loctite Professional Performance Spray Adhesive</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDH number:</td>
<td>1629134</td>
</tr>
<tr>
<td>Product type:</td>
<td>Adhesive</td>
</tr>
<tr>
<td>Restriction of Use:</td>
<td>None identified</td>
</tr>
</tbody>
</table>
| Company address: | Henkel Corporation  
|                 | One Henkel Way  
|                 | Rocky Hill, Connecticut 06067 |
| Region:       | United States                                   |
| Contact information: | Telephone: (860) 571-5100  
|               | 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**

**WARNING:** FLAMMABLE AEROSOL. CAUSES SKIN IRRITATION. CAUSES SERIOUS EYE IRRITATION. MAY CAUSE DROWSINESS OR DIZZINESS.

**HAZARD CLASS**

<table>
<thead>
<tr>
<th>HAZARD CLASS</th>
<th>HAZARD CATEGORY</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLAMMABLE AEROSOL</td>
<td>2</td>
</tr>
<tr>
<td>SKIN IRRITATION</td>
<td>2</td>
</tr>
<tr>
<td>EYE IRRITATION</td>
<td>2A</td>
</tr>
<tr>
<td>SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE</td>
<td>3</td>
</tr>
</tbody>
</table>

**PICTOGRAM(S)**

![Flammable and Caution Symbols]

**Precautionary Statements**

**Prevention:** Keep away from heat, sparks, open flames, hot surfaces - no smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Avoid breathing mist or spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear eye and face protection. Wear protective gloves.

**Response:** IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing. Call a poison control center or physician if you feel unwell. If skin irritation occurs: Get medical attention. If eye irritation persists: Get medical attention. Take off contaminated clothing.

**Storage:** Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

**Disposal:** Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

See Section 11 for additional toxicological information.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Hazardous Component(s)</th>
<th>CAS Number</th>
<th>Percentage*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>67-64-1</td>
<td>10 - 30</td>
</tr>
<tr>
<td>Methyl acetate</td>
<td>79-20-9</td>
<td>10 - 30</td>
</tr>
<tr>
<td>Solvent naphtha (petroleum), light aliphatic, low benzene content</td>
<td>64742-89-8</td>
<td>5 - 10</td>
</tr>
<tr>
<td>Cyclohexane</td>
<td>110-82-7</td>
<td>30 - 60</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>10 - 30</td>
</tr>
</tbody>
</table>

* Exact percentage is a trade secret. Concentration range is provided to assist users in providing appropriate protections.

### 4. FIRST AID MEASURES

**Inhalation:**
If inhaled, immediately remove the affected person to fresh air. If symptoms develop and persist, get medical attention.

**Skin contact:**
Wash affected area immediately with soap and water. If symptoms develop and persist, get medical attention. Remove contaminated clothes.

**Eye contact:**
In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.

**Ingestion:**
Get immediate medical attention. Do not induce vomiting.

**Symptoms:**
See Section 11.

**Notes to physician:**
This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity when deciding whether to induce vomiting.

### 5. FIRE FIGHTING MEASURES

**Extinguishing media:**
Water spray (fog), foam, dry chemical or carbon dioxide.

**Special firefighting procedures:**
Wear full protective clothing. Wear self contained breathing apparatus.

**Unusual fire or explosion hazards:**
May liberate large quantities of dense, foul-smelling smoke which may contain unidentified toxic gasses. Contents under pressure. Do not puncture or incinerate pressurized containers. Exposure to temperatures above 49°C (120°F) may cause container to burst.

**Hazardous combustion products:**
Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Oxides of nitrogen.

### 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:**
Prevent further leakage or spillage if safe to do so. Wear appropriate protective equipment and clothing during clean-up. Do not allow product to enter sewer or waterways.

**Clean-up methods:**
Absorb spill with inert material. Shovel material into appropriate container for disposal. Dispose of according to Federal, State and local governmental regulations.
7. HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Avoid breathing vapors or mists of this product. Do not take internally.

Storage: For safe storage, store at or below 48.8 °C (119.8 °F) Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials.

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 Component(s)</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>AIHA WEEL</th>
<th>OTHER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>750 ppm STEL, 500 ppm TWA</td>
<td>1,000 ppm (2,400 mg/m3) PEL</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Methyl acetate</td>
<td>200 ppm TWA, 250 ppm STEL</td>
<td>200 ppm (610 mg/m3) PEL</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Solvent naphtha (petroleum), light aliphatic, low benzene content</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Cyclohexane</td>
<td>100 ppm TWA</td>
<td>300 ppm (1,050 mg/m3) PEL</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Propane</td>
<td>Included in the regulation but with no data values. See regulation for further details</td>
<td>1,000 ppm (1,800 mg/m3) PEL</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

Engineering controls: Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product.

Respiratory protection: If ventilation is not sufficient to effectively prevent buildup of aerosols, mists or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.

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

Skin protection: Wear impervious gloves for prolonged contact. Use of impervious apron and boots are recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid
Color: Off white
Odor: Solvent
Odor threshold: Not available.
pH: Not applicable
Vapor pressure: Not available.
Boiling point/range: Not available.
Melting point/ range: Not available.
Specific gravity: 0.8300 - 0.8400
Vapor density: Not available.
Flash point: Not available.
Flashback: This product exhibits flashback when tested for flame extension.
Flammable/Explosive limits - lower: Not available.
Flammable/Explosive limits - upper: Not available.
Autoignition temperature: Not available.
Evaporation rate: > 1 (Butyl acetate = 1)
Solubility in water: Insoluble
Partition coefficient (n-octanol/water): Not available.
VOC content: 54.80 %; 307.77 g/l (by weight, calculated using CARB method; g/L less water, less exempts calculated using SCAQMD method)
Viscosity: Not available.
Decomposition temperature: Not available.

10. STABILITY AND REACTIVITY

Stability: Stable at normal conditions.
Hazardous reactions: Will not occur.
Hazardous decomposition products: Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Oxides of nitrogen.
Incompatible materials: This product may react with strong acids, bases and oxidizing agents.
Reactivity: Not available.
Conditions to avoid: Keep away from heat, ignition sources and incompatible materials.

11. TOXICOLOGICAL INFORMATION

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects/Symptoms
Inhalation: Inhalation of vapors or mists of the product may be irritating to the respiratory system.
Skin contact: This product may cause irritation to the skin.
Eye contact: This product is severely irritating to the eyes and may cause eye burns.
Ingestion: Ingestion of this product may cause nausea, vomiting and diarrhea.

<table>
<thead>
<tr>
<th>Hazardous Component(s)</th>
<th>LD50s and LC50s</th>
<th>Immediate and Delayed Health Effects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>Oral LD50 (RABBIT) = 5,340 mg/kg</td>
<td>Blood, Central nervous system, Irritant, Reproductive</td>
</tr>
<tr>
<td></td>
<td>Oral LD50 (RAT) = 5,800 mg/kg</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Oral LD50 (RAT) = 9,800 mg/kg</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Dermal LD50 (RABBIT) = 20,000 mg/kg</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Inhalation LC50 (RAT, 8 h) = 50.1 mg/l</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Inhalation LC50 (RAT, 4 h) = 76 mg/l</td>
<td></td>
</tr>
<tr>
<td>Methyl acetate</td>
<td>Oral LD50 (RABBIT) = 3.7 g/kg</td>
<td>Blood, Central nervous system, Eyes, Irritant</td>
</tr>
<tr>
<td>Solvent naphtha (petroleum), light aliphatic, low benzene content</td>
<td>Oral LD50 (RAT) = 29,820 mg/kg</td>
<td>Irritant, Central nervous system</td>
</tr>
<tr>
<td>Cyclohexane</td>
<td>Inhalation LC50 (RAT, 15 min) = &gt; 1,442.847 mg/l</td>
<td>Cardiac, Central nervous system</td>
</tr>
<tr>
<td></td>
<td>Inhalation LC50 (RAT, 15 min) = &gt; 1,464 mg/l</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hazardous Component(s)</th>
<th>NTP Carcinogen</th>
<th>IARC Carcinogen</th>
<th>OSHA Carcinogen (Specifically Regulated)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Methyl acetate</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Solvent naphtha (petroleum), light aliphatic, low benzene content</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Cyclohexane</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Propane</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

12. ECOLOGICAL INFORMATION

Ecological information: Harmful to aquatic organisms.
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: If discarded, this product is considered a RCRA ignitable waste, D001. 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 transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.

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

- Proper shipping name: Aerosols, flammable
- Hazard class or division: 2.1
- Identification number: UN 1950
- Packing group: None
- DOT Hazardous Substance(s): Cyclohexane, Acetone

International Air Transportation (ICAO/IATA)

- Proper shipping name: Aerosols, flammable
- Hazard class or division: 2.1
- Identification number: UN 1950
- Packing group: None

Water Transportation (IMO/IMDG)

- Proper shipping name: AEROSOLS (Cyclohexane)
- Hazard class or division: 2.1
- Identification number: UN 1950
- Packing group: None
- Marine pollutant: Cyclohexane

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, Fire, Sudden Release
- CERCLA/SARA Section 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). Cyclohexane (CAS# 110-82-7).
- CERCLA Reportable quantity: Cyclohexane (CAS# 110-82-7) 1,000 lbs. (454 kg)
- California Proposition 65: This product contains a chemical known in the State of California to cause cancer. 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: 

IDH number: 1629134
Product name: Loctite Professional Performance Spray Adhesive
Page 5 of 6
16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: This Material Safety Data Sheet contains changes from the previous version in Section(s):

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

Issue date: 10/29/2014

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