1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Loctite Professional Performance Spray Adhesive
IDH number: 1418862
Product type: Adhesive

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

Region: United States

Contact information:
Telephone: 800.624.7767
Emergency telephone: 800.424.9300

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HMIS:

Physical state: liquid
Color: Off white
Odor: Solvent

HEALTH: 2
FLAMMABILITY: 4
PHYSICAL HAZARD: 0
Personal Protection: Not available

DANGER: EXTREMELY FLAMMABLE.
VAPOR MAY CAUSE FLASH FIRE.
HARMFUL IF INHALED.

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects:

Inhalation: May be harmful if inhaled.
Skin contact: Prolonged and/or repeated skin contact may result in mild irritation or redness. Repeated or prolonged contact can result in drying of skin. Symptoms may include redness, burning, drying, cracking and skin burns.
Eye contact: Symptoms can include irritation, redness, scratching of the cornea, and tearing. Mild eye irritation.
Ingestion: May be harmful if swallowed.

Existing conditions aggravated by exposure: Other pre-existing skin conditions. Blood disorders.

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>Acetone</td>
<td>67-64-1</td>
<td>10 - 30</td>
</tr>
<tr>
<td>Methyl acetate</td>
<td>79-20-9</td>
<td>1 - 5</td>
</tr>
<tr>
<td>n-Heptane</td>
<td>142-82-5</td>
<td>5 - 10</td>
</tr>
<tr>
<td>Toluene</td>
<td>108-88-3</td>
<td>10 - 30</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>30 - 60</td>
</tr>
<tr>
<td>n-Butane, containing &gt;= 0.1 % butadiene</td>
<td>106-97-8</td>
<td>10 - 30</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

Inhalation: Move to fresh air. In case of adverse health effects seek medical advice.
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: If material is ingested, immediately contact a physician or poison control center. This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity when deciding whether to induce vomiting.

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

Flash point: Not available
Autoignition temperature: Not available
Flammable/Explosive limits - lower: Not available
Flammable/Explosive limits - upper: Not available
Extinguishing media: Carbon dioxide. Alcohol-resistant foam Dry powder.
Special firefighting procedures: Not available
Unusual fire or explosion hazards: Not available
Hazardous combustion products: Not available

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: Not available
Clean-up methods: Absorb spill with inert material. Shovel material into appropriate container for disposal. Follow all local, state, federal and provincial regulations for disposal.

7. HANDLING AND STORAGE

Handling: Keep out of the reach of children. Keep in a cool, well ventilated area. Ventilate working rooms thoroughly. Avoid naked flames, sparking and sources of ignition. Switch off electrical devices. Do not smoke, do not weld. Do not empty waste into waste water drains. Avoid skin and eye contact. Avoid breathing vapors or mists of this product. Do not puncture or incinerate pressurized containers.

Storage: For safe storage, store at or below 50.0 °C (122°F). Store in a cool, dry, well-ventilated area.

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>Acetone</td>
<td>500 ppm TWA 750 ppm STEL</td>
<td>1,000 ppm (2,400 mg/m3) TWA</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) TWA</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>n-Heptane</td>
<td>400 ppm TWA 500 ppm STEL</td>
<td>500 ppm (2,000 mg/m3) TWA</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Toluene</td>
<td>20 ppm TWA</td>
<td>200 ppm TWA 500 ppm MAX. CONC 10 minutes</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Propane</td>
<td>1,000 ppm TWA</td>
<td>1,000 ppm (1,800 mg/m3) TWA</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>n-Butane, containing &gt;= 0.1 % butadiene</td>
<td>1,000 ppm TWA</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

**Engineering controls:** Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

**Respiratory protection:** Use a NIOSH approved respirator if ventilation is inadequate.

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

**Skin protection:** Protective clothing that covers arms and legs.

### 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:** 0.8420
- **Vapor density:** Not available
- **Flash point:** Not available
- **Flammable/Explosive limits - lower:** Not available
- **Flammable/Explosive limits - upper:** Not available
- **Autoignition temperature:** Not available
- **Evaporation rate:** Not available
- **Solubility in water:** insoluble in water
- **Partition coefficient (n-octanol/water):** Not available
- **VOC content:** 54.80%

### 10. STABILITY AND REACTIVITY

- **Stability:** Not available
- **Hazardous reactions:** Will not occur.
- **Hazardous decomposition products:** Carbon dioxide. Carbon monoxide. Hydrocarbons.
- **Incompatible materials:** Not available
- **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>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>n-Heptane</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Toluene</td>
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<td>No</td>
<td>No</td>
</tr>
<tr>
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<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>n-Butane, containing &gt;= 0,1 % butadiene</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>Acetone</td>
<td>Blood, Central nervous system, Irritant, Reproductive</td>
</tr>
<tr>
<td>Methyl acetate</td>
<td>Blood, Central nervous system, Eyes, Irritant</td>
</tr>
<tr>
<td>n-Heptane</td>
<td>Central nervous system, Irritant</td>
</tr>
<tr>
<td>Toluene</td>
<td>Behavioral, Cardiac, Central nervous system, Developmental, Ear, Irritant</td>
</tr>
<tr>
<td>Propane</td>
<td>Cardiac, Central nervous system, Irritant</td>
</tr>
<tr>
<td>n-Butane, containing &gt;= 0,1 % butadiene</td>
<td>Cardiac, Central nervous system, Irritant</td>
</tr>
</tbody>
</table>

12. ECOLOGICAL INFORMATION

Ecological information: Not available

13. DISPOSAL CONSIDERATIONS

Recommended method of disposal: Dispose of waste and residues in accordance with local, state and Federal authority requirements.

Hazardous waste number: Not available

14. TRANSPORT INFORMATION

U.S. Department of Transportation Ground (49 CFR)
- Proper shipping name: Aerosols
- Hazard class or division: 2.1
- Identification number: UN 1950
- Packing group: None
- Exceptions: Consumer Commodity ORM-D

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 (Heptanes)
- Hazard class or division: 2.1
- Identification number: UN 1950
- Packing group: None
- Marine pollutant: Heptanes

15. REGULATORY INFORMATION

United States Regulatory Information
- TSCA 8 (b) Inventory Status: One or more components of this product are not listed on the U.S. Toxic Substances Control Act (TSCA) inventory. As such, this product may only be used for research and development purposes as described in 40 CFR 720.36. All other components of this product are listed or are exempt from listing.
- TSCA 12(b) Export Notification: N-Heptane (CAS# 142-82-5), Methyl acetate (CAS# 79-20-9).
- CERCLA/SARA Section 302 EHS: None above reporting de minimus
- CERCLA/SARA Section 311/312: Not available
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). Toluene (CAS# 108-88-3).

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: One or more components are not listed on, and are not exempt from listing on either the Domestic Substances List or the Non-Domestic Substances List.

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: New Material Safety Data Sheet format.

Prepared by: K Nasr, Regulatory Affairs Specialist

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