1. PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Product name:</th>
<th>Loctite High Performance Spray Adhesive</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product type:</td>
<td>Aerosol</td>
</tr>
<tr>
<td>Restriction of Use:</td>
<td>None identified</td>
</tr>
<tr>
<td>Company address:</td>
<td>Henkel Corporation</td>
</tr>
<tr>
<td></td>
<td>One Henkel Way</td>
</tr>
<tr>
<td></td>
<td>Rocky Hill, Connecticut 06067</td>
</tr>
<tr>
<td>IDH number:</td>
<td>1713065</td>
</tr>
<tr>
<td>Region:</td>
<td>United States</td>
</tr>
<tr>
<td>Contact information:</td>
<td>Henkel Corporation: Telephone: (860) 571-5100</td>
</tr>
<tr>
<td></td>
<td>MEDICAL EMERGENCY Phone: Poison Control Center</td>
</tr>
<tr>
<td></td>
<td>1-877-671-4608 (toll free) or 1-303-592-1711</td>
</tr>
<tr>
<td></td>
<td>TRANSPORT EMERGENCY Phone: CHEMTREC</td>
</tr>
<tr>
<td></td>
<td>1-800-424-9300 (toll free) or 1-703-527-3887</td>
</tr>
<tr>
<td></td>
<td>Internet: <a href="http://www.henkelna.com">www.henkelna.com</a></td>
</tr>
</tbody>
</table>

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

**WARNING:**

FLAMMABLE AEROSOL.

CAUSES SKIN IRRITATION.

CAUSES SERIOUS EYE IRRITATION.

MAY CAUSE DROWSINESS OR DIZZINESS.

<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)

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.

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>n-Heptane</td>
<td>142-82-5</td>
<td>5 - 10</td>
</tr>
<tr>
<td>Pentane</td>
<td>109-66-0</td>
<td>10 - 30</td>
</tr>
<tr>
<td>Propane/Isobutane</td>
<td>68476-86-8</td>
<td>30 - 60</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. 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. 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.

**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:**
Carbon dioxide. Alcohol-resistant foam. Dry powder.

**Special firefighting procedures:**
Firefighters should wear self-contained breathing apparatus. Water may be ineffective, but may be used to cool exposed containers to prevent pressure build-up and possible auto-ignition or explosion when exposed to extreme heat. If water is used, fog nozzles are preferable.

**Unusual fire or explosion hazards:**
Contents under pressure. Do not handle or store near an open flame, heat or other sources of ignition. 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.

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

Handling: Keep out of the reach of children. Keep in a cool, well ventilated area. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. 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. Do not puncture or incinerate pressurized containers.

Storage: For safe storage, store between 13 °C (55.4 °F) and 35 °C (95°F) Keep away from heat, spark and flame. 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 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</td>
<td>1,000 ppm (2,400 mg/m3) PEL</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>n-Heptane</td>
<td>400 ppm TWA</td>
<td>500 ppm (2,000 mg/m3) PEL</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Pentane</td>
<td>1,000 ppm TWA</td>
<td>1,000 ppm (2,950 mg/m3) PEL</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Propane/Isobutane</td>
<td>None</td>
<td>None</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: Use impermeable gloves and protective clothing as necessary to prevent skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid
Color: White
Odor: Solvent
Odor threshold: Not available.
pH: Not available.
Vapor pressure: Not available.
Boiling point/range: > 100 °F (> 37.8 °C)
Melting point/ range: Not available.
Specific gravity: 0.755 - 0.765
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.
10. STABILITY AND REACTIVITY

Stability: Not available.
Hazardous reactions: Will not occur.
Hazardous decomposition products: Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.
Incompatible materials: Strong oxidizing agents.
Reactivity: Not available.
Conditions to avoid: Heat, flames, sparks and other sources of ignition.

11. TOXICOLOGICAL INFORMATION

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects/Symptoms

Inhalation: May be harmful if inhaled. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.
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. Aspiration may occur during swallowing or vomiting, resulting in lung damage.

<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>n-Heptane</td>
<td>Inhalation LC50 (RAT, 4 h) = 103 mg/l</td>
<td>Central nervous system, Irritant</td>
</tr>
<tr>
<td>Pentane</td>
<td>Inhalation LC50 (RAT, 4 h) = 364 mg/l</td>
<td>Cardiac, Central nervous system, Irritant, Lung</td>
</tr>
<tr>
<td>Propane/Isobutane</td>
<td>None</td>
<td>No Records</td>
</tr>
</tbody>
</table>

12. ECOLOGICAL INFORMATION

Ecological information: Not available.

VOC content: 60.08%; 343.76 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.
13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Follow all local, state, federal and provincial regulations for disposal.

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. If discarded, this product is considered a RCRA ignitable waste, D001.

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): 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
- Hazard class or division: 2.1
- Identification number: UN 1950
- Packing group: None

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, Sudden Release
- CERCLA/SARA Section 313: None above reporting de minimis
- California Proposition 65: No California Proposition 65 listed chemicals are known to be present.

Canada Regulatory Information
- CEPA DSL/NDSL Status: All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: New Material Safety Data Sheet format.
DISCLAIMER: The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Corporation and its affiliates ("Henkel") does not assume responsibility for any results obtained by persons over whose methods Henkel has no control. It is the user’s responsibility to determine the suitability of Henkel’s products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any Henkel’s products. In light of the foregoing, Henkel specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel’s products. Henkel further disclaims any liability for consequential or incidental damages of any kind, including lost profits.