1. PRODUCT AND COMPANY IDENTIFICATION

- **Product name**: LOCTITE 7900 CERAMISHIELD known as Loctite SF 7900 Ceramic Shield
- **IDH number**: 1616692
- **Product type**: Lubricant
- **Item number**: 1616692
- **Company address**: Henkel Corporation
  One Henkel Way
  Rocky Hill, Connecticut 06067
- **Restriction of Use**: None identified
- **Region**: United States

2. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW**

**DANGER**: CONTENTS UNDER PRESSURE.
EXTREMELY 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>1</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 icon
- Corrosive icon

**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 affected area thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves, eye protection, and face protection.

**Response**: IF ON SKIN: Wash with plenty of water. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. 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>Propane/Isobutane</td>
<td>68476-86-8</td>
<td>40 - 50</td>
</tr>
<tr>
<td>Acetone</td>
<td>67-64-1</td>
<td>20 - 30</td>
</tr>
<tr>
<td>Methyl ethyl ketone</td>
<td>78-93-3</td>
<td>10 - 20</td>
</tr>
</tbody>
</table>

* Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

### 4. FIRST AID MEASURES

- **Inhalation:** Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
- **Skin contact:** Remove contaminated clothing and footwear. Immediately flush skin with plenty of water (using soap, if available). Get medical attention. Wash clothing before reuse.
- **Eye contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.
- **Ingestion:** DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.
- **Symptoms:** See Section 11.
- **Notes to physician:** Treat symptomatically and supportively.

### 5. FIRE FIGHTING MEASURES

- **Extinguishing media:** Water spray (fog), foam, dry chemical or carbon dioxide.
- **Special firefighting procedures:** Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
- **Unusual fire or explosion hazards:** DANGEROUS when exposed to heat or flame. This material can be ignited by flame or spark under all normal atmospheric conditions. Vapors are heavier than air and may travel to ignition sources and flash back. Closed containers may rupture (due to build up of pressure) when exposed to extreme heat.
- **Hazardous combustion products:** Oxides of carbon. Hydrocarbons. Toxic and irritating vapors.

### 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.
Clean-up methods: Remove all sources of ignition. Evacuate and ventilate spill area; dike spill to prevent entry into water system; wear full protective equipment during clean-up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Scrape up spilled material and place in a closed container for disposal. Refer to Section 8 “Exposure Controls / Personal Protection” prior to clean up.

7. HANDLING AND STORAGE

Handling: For industrial use only. Use only with adequate ventilation. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Keep container closed.

Storage: Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use. Do not store with oxidizing 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 WEL</th>
<th>OTHER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propane/Isobutane</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Acetone</td>
<td>250 ppm TWA (500 ppm STEL)</td>
<td>1,000 ppm (2,400 mg/m3) PEL</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Methyl ethyl ketone</td>
<td>200 ppm TWA (300 ppm STEL)</td>
<td>200 ppm (590 mg/m3) PEL</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 air-purifying respirator if the potential to exceed established exposure limits exists.

Eye/face protection: Safety goggles or safety glasses with side shields. Full face protection should be used if the potential for splashing or spraying of product exists. Safety showers and eye wash stations should be available.

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:                         | 6 - 8                   |
| Vapor pressure:             | 231 mm hg               |
| Boiling point/range:        | 56 °C (132.8 °F)        |
| Melting point/ range:       | -95 °C (-139°F)         |
| Specific gravity:           | 1.2                     |
| Vapor density:              | 2.0                     |
| Flash point:                | -20 °C (-4°F)           |
| Flammable/Explosive limits  | 2.2 %                   |
| Flammable/Explosive limits  | 13 %                    |
| Autoignition temperature:   | 465 °C (869°F)          |
| Flammability:               | Not applicable.         |
| Evaporation rate:           | 14.4                    |
| Solubility in water:        | Soluble                 |
| Partition coefficient (n-octanol/water): | Not available. |
VOC content: 778 g/l (calculated)
Viscosity: Not available.
Decomposition temperature: Not available.

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of storage and use.
Hazardous reactions: Will not occur.
Incompatible materials: Oxidizing agents.
Reactivity: Not available.
Conditions to avoid: High temperatures. Heat, flames, sparks and other sources of ignition. Store away from incompatible materials.

11. TOXICOLOGICAL INFORMATION

Relevant routes of exposure: Skin, Inhalation, Eyes, Ingestion

Potential Health Effects/Symptoms
- **Inhalation:** May cause respiratory tract irritation. May cause central nervous system effects with nausea, dizziness and headache.
- **Skin contact:** Causes skin irritation. Prolonged or repeated contact with this product may dry and/or defat the skin.
- **Eye contact:** Causes serious eye irritation.
- **Ingestion:** May cause gastrointestinal tract irritation if swallowed. May cause dizziness, incoordination, headache, nausea, and vomiting.

<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>Propane/Isobutane</td>
<td>None</td>
<td>No Records</td>
</tr>
</tbody>
</table>
| Acetone                | Oral LD50 (Mouse) = 6.2 g/kg  
                      Oral LD50 (Mouse) = 3,000 mg/kg  
                      Oral LD50 (Rabbit) = 5,340 mg/kg  
                      Oral LD50 (Rat) = 5,800 mg/kg  
                      Oral LD50 (Rabbit) = 9,800 mg/kg  
                      Dermal LD50 (Rabbit) = 20,000 mg/kg  
                      Inhalation LC50 (Rat, 4 h) = 76 mg/l  |
|                        |                 | Central nervous system, Irritant     |
| Methyl ethyl ketone    | Oral LD50 (Mouse) = 670 mg/kg  
                      Oral LD50 (Rat) = 2,300 - 3,500 mg/kg  
                      Oral LD50 (Rat) = 4,500 - 6,800 mg/kg  
                      Dermal LD50 (Rabbit) = > 8,000 mg/kg  
                      Inhalation LC50 (Rat, 4 h) = 11700 ppm  |
|                        |                 | Irritant, Central nervous system     |

<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>Propane/Isobutane</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Acetone</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Methyl ethyl ketone</td>
<td>No</td>
<td>No</td>
<td>No</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: Follow all local, state, federal and provincial regulations for disposal.

Hazardous waste number: Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. D001: Ignitable. D035: Methyl Ethyl Ketone. This product may contain traces of: D018: Benzene (Check TCLP Level).

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
Hazard class or division: 2.1
Identification number: UN 1950
Packing group: None
DOT Hazardous Substance(s): Acetone, Methyl ethyl ketone

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
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).
CERCLA Reportable quantity: Acetone (CAS# 67-64-1) 5,000 lbs. (2,270 kg)
Methyl ethyl ketone (CAS# 78-93-3) 5,000 lbs. (2,270 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: 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 Safety Data Sheet format.

Prepared by: Cara R. Rivera, Regulatory Affairs Specialist

Issue date: 05/03/2017

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