1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Loctite® Naval Jelly® Rust Dissolver  
IDH number: 1381191  
Product type/use: Rust dissolver  
Item number: 1381191  
Restriction of Use: None identified  
Region: United States  
Company address: Henkel Corporation  
One Henkel Way  
Rocky Hill, Connecticut 06067  
Contact information:  
Telephone: +1 (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  
DANGER: MAY BE CORROSIVE TO METALS.  
CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.  
MAY CAUSE CANCER.

<table>
<thead>
<tr>
<th>HAZARD CLASS</th>
<th>HAZARD CATEGORY</th>
</tr>
</thead>
<tbody>
<tr>
<td>CORROSIVE TO METALS</td>
<td>1</td>
</tr>
<tr>
<td>SKIN CORROSION</td>
<td>1</td>
</tr>
<tr>
<td>SERIOUS EYE DAMAGE</td>
<td>1</td>
</tr>
<tr>
<td>CARCINOGENICITY</td>
<td>1A</td>
</tr>
</tbody>
</table>

PICTOGRAM(S)

Precautionary Statements

Prevention:  
Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep only in original packaging. Wash affected area thoroughly after handling. Wear protective gloves, clothing, eye and face protection.

Response:  
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical attention. Wash contaminated clothing before reuse. Absorb spillage to prevent material damage.

Storage:  
Store locked up. Store in corrosive resistant container with a resistant inner liner.

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>Phosphoric acid</td>
<td>7664-38-2</td>
<td>10 - 30</td>
</tr>
<tr>
<td>2-Propanol</td>
<td>67-63-0</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Sulfuric acid</td>
<td>7664-93-9</td>
<td>0.1 - 1</td>
</tr>
</tbody>
</table>

IDH number: 1381191  
Product name: Loctite® Naval Jelly® Rust Dissolver
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:** Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and footwear. Wash clothing before reuse. Get medical attention.

**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.

5. FIRE FIGHTING MEASURES

**Extinguishing media:** Foam, dry chemical or carbon dioxide.

**Special firefighting procedures:** Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. In case of fire, keep containers cool with water spray.

**Unusual fire or explosion hazards:** Not flammable, however Hydrogen gas may be liberated if product contacts powdered metals or metals above 185°F.

**Hazardous combustion products:** Hydrogen.

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 as much material as possible. Store in a partly filled, closed container until disposal. Flush with water. Neutralize acid using lime or a lime based agent compatible with the product. Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up.

7. HANDLING AND STORAGE

**Handling:** 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. Refer to Section 8.

**Storage:** Keep from freezing. Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials.
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>Phosphoric acid</td>
<td>3 mg/m³ STEL</td>
<td>1 mg/m³ PEL</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>2-Propanol</td>
<td>200 ppm TWA</td>
<td>400 ppm (980 mg/m³) PEL</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Sulfuric acid</td>
<td>0.2 mg/m³ TWA</td>
<td>1 mg/m³ PEL</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Silica, amorphous, fumed, crystal-free</td>
<td>10 mg/m³ TWA</td>
<td>20 MPPCF TWA</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td>Inhalable dust</td>
<td>0.8 mg/m³ TWA</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3 mg/m³ TWA</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Thoracic fraction.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Respirable fraction.</td>
<td></td>
<td></td>
<td></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 chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Gel
Color: Pink
Odor: Lime
Odor threshold: Not available.
pH: 1.5 - 2.5
Vapor pressure: Not available.
Boiling point/range: 212 °F (100°C) None Approximately
Melting point/ range: Not applicable
Specific gravity: 1.191
Vapor density: Not available.
Flash point: 243 °C (468.4 °F)
Flammable/Explosive limits - lower: Not applicable
Flammable/Explosive limits - upper: Not applicable
Autoignition temperature: Not applicable
flammability: Not applicable
Evaporation rate: Not available.
Solubility in water: Soluble
Partition coefficient (n-octanol/water): Not available.
VOC content: 2.4 %; 28.6 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.
Hazardous decomposition products: Hydrogen, by reaction with metals.
Incompatible materials: Caustics. Powdered metals. Reacts with alkalis or water: Heat generated, spatters !
Reactivity: Not available.
Conditions to avoid: Elevated 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:** Causes respiratory tract irritation. Respiratory tract burns.
- **Skin contact:** Causes skin irritation. Causes skin burns.
- **Eye contact:** Causes serious eye damage. Causes eye irritation. May cause eye burns.
- **Ingestion:** Harmful if swallowed.

<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>Phosphoric acid</td>
<td>Oral LD50 (Rat) = 1,530 mg/kg</td>
<td>Irritant, Corrosive</td>
</tr>
<tr>
<td></td>
<td>Dermal LD50 (Rabbit) = 2,740 mg/kg</td>
<td></td>
</tr>
<tr>
<td>2-Propanol</td>
<td>Oral LD50 (Rat) = 5,045 mg/kg</td>
<td>Allergen, Central nervous system, Irritant</td>
</tr>
<tr>
<td></td>
<td>Oral LD50 (Mouse) = 3,600 mg/kg</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Oral LD50 (Rabbit) = 6,410 mg/kg</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Oral LD50 (Rat) = 4.7 g/kg</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Oral LD50 (Mouse) = 4.5 g/kg</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Oral LD50 (Rabbit) = 8.0 g/kg</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Oral LD50 (Rabbit) = 6.03 g/kg</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Dermal LD50 (Rabbit) = 12,800 mg/kg</td>
<td></td>
</tr>
<tr>
<td>Sulfuric acid</td>
<td>None</td>
<td>Carcinogen, Corrosive, Irritant</td>
</tr>
<tr>
<td>Silica, amorphous, fumed, crystal-free</td>
<td>None</td>
<td>Nuisance dust</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>Phosphoric acid</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>2-Propanol</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Sulfuric acid</td>
<td>Known To Be Human Carcinogen.</td>
<td>Group 1</td>
<td>No</td>
</tr>
<tr>
<td>Silica, amorphous, fumed, crystal-free</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:** D002: Corrosive.

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: Phosphoric acid solution
- Hazard class or division: 8
- Identification number: UN 1805
- Packing group: III
- DOT Hazardous Substance(s): Phosphoric acid

**International Air Transportation (ICAO/IATA)**
- Proper shipping name: Phosphoric acid, solution
- Hazard class or division: 8
- Identification number: UN 1805
- Packing group: III
Water Transportation (IMO/IMDG)
Proper shipping name: PHOSPHORIC ACID SOLUTION
Hazard class or division: 8
Identification number: UN 1805
Packing group: III

15. REGULATORY INFORMATION

United States Regulatory Information

TSCA 8 (b) Inventory Status: All components are listed as active or are exempt from listing on the Toxic Substances Control Act (TSCA) inventory.
TSCA 12 (b) Export Notification: None above reporting de minimis
CERCLA/SARA Section 302 EHS: Sulfuric acid (CAS# 7664-93-9).
CERCLA/SARA Section 311/312: Immediate Health, Delayed Health
CERCLA/SARA Section 313: None above reporting de minimis.
CERCLA Reportable quantity: Phosphoric acid (CAS# 7664-38-2) 5,000 lbs. (2,270 kg)
2-Propanol (CAS# 67-63-0) 100 lbs. (45.4 kg)
California Proposition 65: This product contains a chemical known in the State of California to cause cancer.

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: 9
Prepared by: Product Safety and Regulatory Affairs
Issue date: 07/06/2020

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