



Revision Date: 06/28/2006

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## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product name:** Naval Jelly(R) Rust Dissolver  
**Product type:** Rust Dissolver  
**Company address:**  
Henkel Corporation  
1001 Trout Brook Crossing  
Rocky Hill, Connecticut 06067

**Item No. :** 80276 / IDH No. 235119  
**Region:** United States  
**Contact Information:**  
Telephone: (860) 571-5100  
Emergency telephone: (860) 571-5100  
Internet: www.loctite.com

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous components</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
Phosphoric acid 7664-38-2	10-30	1 mg/m <sup>3</sup> TWA 3 mg/m <sup>3</sup> STEL	1 mg/m <sup>3</sup> TWA	None
Isopropyl alcohol 67-63-0	1-5	200 ppm TWA 400 ppm STEL	400 ppm TWA 980 mg/m <sup>3</sup> TWA	None
Polysaccharide Proprietary	1-5	None	None	None
Sulfuric acid 7664-93-9	0.1-1	0.2 mg/m <sup>3</sup> TWA	1 mg/m <sup>3</sup> TWA	None
2-Oxopropanoic acid 127-17-3	0-0.1	None	None	None

## 3. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

**Physical state:** Gel  
**Color:** Pink  
**Odor:** Lime

#### HMIS:

**HEALTH:** 1\*  
**FLAMMABILITY:** 0  
**PHYSICAL HAZARD:** 0  
**Personal Protection:** See Section 8

**CAUTION:** MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.  
MAY BE HARMFUL IF SWALLOWED.

**Relevant routes of exposure:** Eye contact, Skin contact, Inhalation, Ingestion

### Potential Health Effects

**Inhalation:** May cause respiratory tract irritation. Prolonged inhalation of large concentrations can be irritating to lungs, and mucous membranes of nose and throat.  
**Skin contact:** May cause skin irritation.  
**Eye contact:** Non-irritating.  
**Ingestion:** May be harmful if swallowed.

**Existing conditions aggravated by exposure:** Respiratory disorders.

See Section 11 for additional toxicological information.

#### 4. FIRST AID MEASURES

<b>Inhalation:</b>	Remove to fresh air. If discomfort persists seek medical attention.
<b>Skin contact:</b>	Immediately flush skin with plenty of water (using soap, if available). If symptoms persist, obtain medical attention.
<b>Eye contact:</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
<b>Ingestion:</b>	Do not induce vomiting. Keep individual calm. Obtain medical attention.

#### 5. FIRE-FIGHTING MEASURES

<b>Flash point:</b>	None.
<b>Autoignition temperature:</b>	Not applicable
<b>Flammable/Explosive limits-lower %:</b>	Not applicable
<b>Flammable/Explosive limits-upper %:</b>	Not applicable
<b>Extinguishing media:</b>	Foam, dry chemical or carbon dioxide.
<b>Special fire fighting procedures:</b>	None
<b>Unusual fire or explosion hazards:</b>	Not flammable, however Hydrogen gas may be liberated if product contacts powdered metals or metals above 185°F.
<b>Hazardous combustion products:</b>	None known.

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Environmental precautions:</b>	Prevent product from entering drains or open waters.
<b>Clean-up methods:</b>	Ensure adequate ventilation. Neutralize acid using lime or a lime based agent compatible with the product. Soak up with inert absorbent. Flush with water. Store in a closed container until ready for disposal.

#### 7. HANDLING AND STORAGE

<b>Handling:</b>	Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling.
<b>Storage:</b>	Keep from freezing.
<b>Incompatible products:</b>	Caustics. Powdered metals.

For information on product shelf life contact Henkel Customer Service at (800) 243-4874.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Engineering controls:</b>	General ventilation is acceptable if the exposure to materials in section 2 is maintained below applicable exposure limits. Refer to OSHA standards 1910.94, 1910.107, 1910.108
<b>Respiratory protection:</b>	Not normally required.
<b>Skin protection:</b>	Disposable rubber or plastic gloves.
<b>Eye/face protection:</b>	Safety goggles or safety glasses with side shields.

See Section 2 for exposure limits.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Gel  
**Color:** Pink  
**Odor:** Lime  
**Vapor pressure:** Low  
**pH:** 1.5 - 2.5  
**Boiling point/range:** Approximately 100°C (212°F)  
**Melting point/range:** Not applicable  
**Specific gravity:** 1.191  
**Vapor density:** Not available  
**Evaporation rate:** Not available  
**Solubility in water:** Soluble.  
**Partition coefficient (n-octanol/water):** Not available  
**VOC content:** 5.17%; 60.4 grams/liter

## 10. STABILITY AND REACTIVITY

**Stability:** Stable  
**Hazardous polymerization:** Will not occur.  
**Hazardous decomposition products:** Hydrogen, by reaction with metals  
**Incompatibility:** Powdered metals. Caustics.  
**Conditions to avoid:** Storage with incompatible materials.

## 11. TOXICOLOGICAL INFORMATION

### Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Phosphoric acid 7664-38-2	No	No	No
Isopropyl alcohol 67-63-0	No	No	No
Polysaccharide Proprietary	No	No	No
Sulfuric acid 7664-93-9	Known Carcinogen	Group 1	Yes
2-Oxopropanoic acid 127-17-3	No	No	No

### Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Phosphoric acid 7664-38-2	Corrosive, Irritant
Isopropyl alcohol 67-63-0	Allergen, Blood, Central nervous system, Irritant, Kidney, Liver, Brain, Spleen
Polysaccharide Proprietary	Irritant
Sulfuric acid 7664-93-9	Corrosive, Irritant, Lung, Human carcinogen
2-Oxopropanoic acid 127-17-3	No data

## 12. ECOLOGICAL INFORMATION

**Ecological information:** Not available

### 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

**Recommended method of disposal:** Dispose of according to Federal, State and local governmental regulations.

**EPA hazardous waste number:** Not a RCRA hazardous waste. Waste must be tested to determine the applicable EPA hazardous waste numbers.

### 14. TRANSPORT INFORMATION

The shipping classifications in this section are for non-bulk packaging only (unless otherwise specified). Shipping classification may be different for bulk packaging.

#### 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  
**Exceptions:** (Not more than 4L) Consumer Commodity ORM-D  
**Marine pollutant:** None

#### International Air Transportation (ICAO/IATA):

**Proper shipping name:** Phosphoric acid Solution  
**Hazard class or division:** 8  
**Identification number:** UN1805  
**Packing group:** III

#### Water Transportation (IMO/IMDG):

**Proper shipping name:** Phosphoric acid Solution  
**Hazard class or division:** 8  
**Identification number:** UN1805  
**Packing group:** III  
**Marine pollutant:** 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 5 (a) (2) SNUR:** None.  
**TSCA 12 (b) Export Notification:** None.

**CERCLA/SARA Section 302 EHS:** None above reporting de minimus.  
**CERCLA/SARA Section 311/312:** Immediate Health Hazard  
**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). Isopropyl alcohol (CAS# 67-63-0).

**California Proposition 65:** This product contains a chemical known to 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 Domestic Substances List.  
**WHMIS hazard class:** D.2.A, D.2.B, E

## 16. OTHER INFORMATION

**This material 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): 14

**Prepared by:** Regulatory Affairs

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