



Revision Date: 04/08/2009

Issue date: 04/08/2009

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Loctite Naval Jelly Rust Dissolver	IDH No. 1381191, 55342, 235119
Product type: Rust Dissolver	Region: United States
Company address: Henkel Corporation 32150 Just Imagine Drive Avon, Ohio 44011	Contact Information: Telephone: (800) 624-7767 Emergency telephone: (800) 424-9300

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 ³ TWA 3 mg/m ³ STEL	1 mg/m ³ TWA	None
Phosphate ester UNKNOWN	1-5	None	None	None
Isopropyl alcohol 67-63-0	1-5	200 ppm TWA 400 ppm STEL	400 ppm TWA 980 mg/m ³ TWA	None
Polysaccharide Proprietary	1-5	None	None	None
Sulfuric acid 7664-93-9	0.1-1	0.2 mg/m ³ TWA	1 mg/m ³ TWA	None

Non hazardous components

Water > 50%

3. HAZARDS IDENTIFICATION

<u>EMERGENCY OVERVIEW</u>		
<u>HMIS:</u>		
Physical state: Gel	HEALTH:	1*
Color: Pink	FLAMMABILITY:	0
Odor: Lime	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:	Contact with eyes will cause irritation. May injure eye tissue if not removed promptly.
Ingestion:	May be harmful if swallowed.

Existing conditions aggravated by exposure: Respiratory disorders.

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See Section 11 for additional toxicological information.

4. FIRST AID MEASURES

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

5. FIRE-FIGHTING MEASURES

Flash point:	None.
Autoignition temperature:	Not applicable
Flammable/Explosive limits-lower %:	Not applicable
Flammable/Explosive limits-upper %:	Not applicable
Extinguishing media:	Foam, dry chemical or carbon dioxide.
Special fire fighting procedures:	None
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:	None known.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Prevent product from entering drains or open waters.
Clean-up methods:	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

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls:	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
Respiratory protection:	Not normally required.
Skin protection:	Disposable rubber or plastic gloves.
Eye/face protection:	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:	(calculated) 2.4%; 28.6 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
Phosphate ester UNKNOWN	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

Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Phosphoric acid 7664-38-2	Corrosive, Irritant
Phosphate ester UNKNOWN	No data
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

12. ECOLOGICAL INFORMATION

Ecological information:	Not available
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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 12 (b) Export Notification: None.

CERCLA/SARA Section 302 EHS: None above reporting de minimus.
CERCLA/SARA Section 311/312: Immediate Health Hazard, Delayed Health Hazard
CERCLA/SARA 313: Sulfuric acid (7664-93-9).

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): 2,3,15

Prepared by: Regulatory Affairs (440) 937-7000 05/08 Rev 04/09

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