

HENKEL LOCTITE CORPORATION

ROCKY HILL, CONNECTICUT 06067
EMERGENCY PHONE: (860) 571-5100

MATERIAL SAFETY DATA SHEET

P

Loctite(R) Rust Dissolver
37631

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Loctite(R) Rust Dissolver
 Item No.: 37631
 Product Type: Rust Dissolver

NAVAL JELLY is a registered trademark of Naval Jelly Company

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
Water	7732-18-5	65-70
PHOSPHORIC ACID	7664-38-2	25-30
ISOPROPYL ALCOHOL	67-63-0	1-3
Polysaccharide	11138-66-2	1-3
Surfactant	Proprietary	1-3
SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE	112945-52-5	0.1-1
SULFURIC ACID*	7664-93-9	0.1-1

* This component is listed as a SARA Section 313 Toxic Chemical.

Ingredients which have exposure limits

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTH
PHOSPHORIC ACID	1 mg/m3 TWA	1 mg/m3 TWA	1 m
ISOPROPYL ALCOHOL	400 ppm TWA 983 mg/m3	400 ppm TWA 980 mg/m3	400 DuP
SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE	10 mg/m3 TWA	6 mg/m3 TWA	3 m res
SULFURIC ACID	1 mg/m3 TWA	1 mg/m3 TWA	Non
Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)	
PHOSPHORIC ACID	3 mg/m3	3 mg/m3	
ISOPROPYL ALCOHOL	500 ppm	500 ppm	

	1230 mg/m3	1225 mg/m3
SULFURIC ACID	3 mg/m3	None

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3. HAZARDS IDENTIFICATION

Toxicity: Skin, eye, and inhalation irritant.
Toxic by ingestion.

Primary Routes of Entry: Acids and alcohol: Inhalation, ingestion
Signs and Symptoms of Exposure: May be injurious to eyes, skin, mucous m
and lungs.

Existing Conditions Aggravated by Exposure: Respiratory disorders

Ingredients	Literature Referenced Target Organ and Other Health Effects	Car NTP
Water	NTO	NO
PHOSPHORIC ACID	COR IRR	NO
ISOPROPYL ALCOHOL	ALG BLO CNS IRR KID	NO
Polysaccharide	IRR	NO
Surfactant	No Data	NO
SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE	NUI	NO
SULFURIC ACID	COR IRR LUN	NO

Abbreviations

N/A Not Applicable	ALG Allergen
BLO Blood	CNS Central nervous system
COR Corrosive	IRR Irritant
KID Kidney	LUN Lung
NTO No Target Organs	NUI Nuisance dust

4. FIRST AID MEASURES

Ingestion: Do not induce vomiting. Keep individual
Obtain medical attention.

Inhalation: Remove to fresh air. Keep individual cal
medical attention.

Skin Contact: Flush thoroughly with large quantities of water. Obtain medical attention.
Eye Contact: Flush with water for at least 15 minutes. Obtain medical attention.

5. FIRE FIGHTING MEASURES

Flash Point: None Method: None
Recommended Extinguishing Agents: Carbon dioxide, foam, dry chemical

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5. FIRE FIGHTING MEASURES

Special Firefighting

Procedures: Not available

Hazardous Products formed

by Fire or Thermal Decomposition: Oxides of phosphorous.

Unusual Fire or

Explosion Hazards: Not flammable, but hydrogen gas may be formed if product contacts powdered metals or materials above 185°F.

Explosive Limits:

(% by volume in air) Lower: Not available

(% by volume in air) Upper: Not available

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case of spill or leak:

Maintain adequate ventilation. Neutralize alkaline material such as soda ash or lime with an inert material. Flush area with water. Store in closed container until disposal.

7. HANDLING AND STORAGE

Safe Storage:

Keep from freezing.

(Contact Loctite Customer Service for handling instructions.)
Handling:

Service 1-800-243-4874 for shelf life information.
Avoid contact with skin and eyes. Avoid breathing of vapors.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Safety glasses or goggles.
 Skin: Rubber or plastic gloves.
 Ventilation: Sufficient to maintain vapor concentration at TLV.
 Respiratory: Not available

See Section 2 for Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Pink gel
 Odor: Lime
 Boiling Point: Approximately 212°F.
 pH: 1.5-2.5
 Solubility in Water: Complete
 Specific Gravity: 1.191
 Volatile Organic Compound (EPA Method 24): 5.17%; 60.4 grams per liter

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9. PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure: Low
 Vapor Density: Not available
 Evaporation Rate (Ether = 1): Not available

10. STABILITY AND REACTIVITY

Stability: Stable
 Hazardous Polymerization: Will not occur
 Incompatibility: Caustics and powdered metals.
 Conditions to Avoid: Not available
 Hazardous Decomposition Products (non-thermal): Hydrogen gas

11. TOXICOLOGICAL INFORMATION

See Section 3.

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended methods of disposal: Incinerate following EPA and local regul
 EPA Hazardous Waste Number D002 - Hazardous waste per 40CFR 261.22

14. TRANSPORTATION INFORMATION

DOT (49 CFR 172)

Domestic Ground Transport

Proper Shipping Name: Consumer Commodity (Not more than four l
 Compounds, cleaning, liquid, n.o.s. (Mor
 four liters)

Hazard Class or

Division:

ORM-D (Not more than four liters);
 Class 8, Packing Group III (More than fo

Identification Number: None (Not more than four liters);

NA 1760 (More than four liters)

Marine Pollutant:

None

IATA

Proper Shipping Name: Corrosive liquid, acidic, inorganic, n.o
 (Contains phosphoric acid)

Class or Division:

Class 8, Packing Group III

UN or ID Number:

UN 3264

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15. REGULATORY INFORMATION

CA Proposition 65:

WARNING: This product contains a chemica
 the State of California to caus
 D.C. Red No.19 (Rhodamine B)

16. OTHER INFORMATION

Estimated NFPA(R) Code:

Health Hazard:

3

Fire Hazard:

0

Reactivity Hazard: 0
Specific Hazard: Does not apply

Estimated HMIS(R) Code:
Health Hazard: 3
Flammability Hazard: 0
Reactivity Hazards: 0
Personal Protection: See Section 8.

NFPA is a registered trademark of the National Fire Protectio
HMIS is a registered trademark of the National Paint and Coat

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