

AVON, OH 44011
 TELEPHONE: (440) 937-7000

MATERIAL SAFETY DATA SHEET

NJ1 NAVAL JELLY RUST DISSOLVER
 IDH# 235119

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: NJ1 NAVAL JLY 8 OZ. BO
 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)	OTHER
PHOSPHORIC ACID	1 mg/m3 TWA	1 mg/m3 TWA	1 mg/m3
ISOPROPYL ALCOHOL	400 ppm TWA 983 mg/m3	400 ppm TWA 980 mg/m3	400 ppm TWA DuPont AEL
SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE	10 mg/m3 TWA	6 mg/m3 TWA	3 mg/m3 TWA resp. dust
SULFURIC ACID	1 mg/m3 TWA	1 mg/m3 TWA	None
Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)	
PHOSPHORIC ACID	3 mg/m3	3 mg/m3	
ISOPROPYL ALCOHOL	500 ppm 1230 mg/m3	500 ppm 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, contact.
Signs and Symptoms of Exposure: May be injurious to eyes, skin, mucous membranes, and lungs.
Existing Conditions Aggravated by Exposure: Respiratory disorders

Ingredients	Literature Referenced Target Organ and Other Health Effects	Carcinogen		
		NTP	IARC	OSHA
Water	NTO	NO	NO	NO
PHOSPHORIC ACID	COR IRR	NO	NO	NO
ISOPROPYL ALCOHOL	ALG BLO CNS IRR KID	NO	N/A	NO
Polysaccharide	IRR	NO	NO	NO
Surfactant	No Data	NO	NO	NO
SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE	NUI	NO	N/A	NO
SULFURIC ACID	COR IRR LUN	NO	NO	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 calm. Obtain medical attention.
Inhalation: Remove to fresh air. Keep individual calm. Obtain 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

(continued)

Special Firefighting

Procedures: Not available

Hazardous Products formed

by Fire or Thermal Decomp Oxides of phosphorous.

Unusual Fire or

Explosion Hazards: Not flammable, but hydrogen gas may be liberated if product contacts powdered metals or metals 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 with alkaline material such as soda ash or lime. Soak up 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 1-800-243-4874 for shelf life information)

Handling:

Avoid contact with skin and eyes. Avoid prolonged breathing of vapors.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes:

Safety glasses or goggles.

Skin:

Rubber or plastic gloves.

Ventilation:

Sufficient to maintain vapor concentration below 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

1.2

Volatile Organic Compound

(EPA Method 24)

24.4%(maximum)

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9. PHYSICAL AND CHEMICAL PROPERTIES

(continued)

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 regulations.
EPA Hazardous Waste
Number D002 - Hazardous waste per 40CFR 261.22

14. TRANSPORTATION INFORMATION

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

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15. REGULATORY INFORMATION

CA Proposition 65: WARNING: This product contains a chemical known to the State of California to cause cancer. 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 Protection Assn.
HMIS is a registered trademark of the National Paint and Coatings Assn.

Prepared by:
Company: Regulatory Affairs -
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