

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

09/11/96

MATERIAL SAFETY DATA SHEET

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NJ2 NAVAL JELLY 1 PT.
80277

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: NJ2 NAVAL JELLY 1 PT.
Item No.: 80277
Part No.: NJ-2
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
SULFURIC ACID*	7664-93-9	1-3
Surfactant	Proprietary	1-3
SILICA, AMORPHOUS TREATED	112945-52-5	0.1-1

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

Ingredients which have exposure limits

Exposure Limits (TWA)	ACGIH	OSHA	OTHER
Ingredients	(TLV)	(PEL)	
PHOSPHORIC ACID	1 mg/m3 TWA	1 mg/m3 TWA	1 mg/m3

ISOPROPYL ALCOHOL	400 ppm TWA	400 ppm TWA	None
	983 mg/m3	980 mg/m3	
SULFURIC ACID	1 mg/m3 TWA	1 mg/m3 TWA	None
SILICA, AMORPHOUS TREATED	10 mg/m3 TWA	6 mg/m3 TWA	3 mg/m3 TWA
	resp. dust		

Exposure Limits (STEL)	ACGIH	OSHA
Ingredients	(TLV)	(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, 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	Carcinogen		
	Target Organ and Other Health Effects	NTP	IARC	OSHA
Water	No Data	NO	NO	NO
PHOSPHORIC ACID	COR IRR		NO	NO
ISOPROPYL ALCOHOL	ALG CNS IRR		NO	N/A
Polysaccharide	IRR	NO	NO	NO
SULFURIC ACID	COR IRR LUN		NO	NO
Surfactant	No Data	NO	NO	NO
SILICA, AMORPHOUS TREATED	NUI		NO	N/A

Abbreviations

N/A Not Applicable ALG Allergen
 CNS Central nervous system COR Corrosive
 IRR Irritant LUN Lung
 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
 Hazardous Products formed
 by Fire or Thermal Decomp Oxides of phosphorous.

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5. FIRE FIGHTING MEASURES

(continued)

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.

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

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10. STABILITY AND REACTIVITY

Stability: Stable
Hazardous Polymerization: Will not occur
Incompatibility: Caustics and powdered metals.
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. TRANSPORT INFORMATION

DOT (49 CFR 172)
Domestic Ground Transport
Proper Shipping Name: Consumer Commodity (Not more than four liters);
Phosphoric acid solution)(More than four liters)
Hazard Class or
Division: ORM-D (Not more than four liters);
Class 8, Packing Group III (More than four liters)
Identification Number: None (Not more than four liters);
UN 1805 (More than four liters)
Marine Pollutant: None

IATA
Proper Shipping Name: Phosphoric acid solution
Class or Division: Class 8, Packing Group III
UN or ID Number: UN 1805

15. REGULATORY INFORMATION

CA Proposition 65: Warning: This product contains a chemical known to
the State of California to cause cancer.

16. OTHER INFORMATION

Estimated NFPA(R) Code:
Health Hazard: 3

Fire Hazard: 0

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16. OTHER INFORMATION (continued)

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.

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