



Revision Number: 003.2

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name: LOCTITE AL JELLY known as LOC 8OZ ALUMINUM JELLY 6CC
IDH number: 1415346
Product type: Rust dissolver
Restriction of Use: None identified
Company address:
 Henkel Corporation
 One Henkel Way
 Rocky Hill, Connecticut 06067
Item number: 1415346
Region: United States
Contact information:
 Telephone: +1 (860) 571-5100
 MEDICAL EMERGENCY Phone: Poison Control Center
 1-877-671-4608 (toll free) or 1-303-592-1711
 TRANSPORT EMERGENCY Phone: CHEMTREC
 1-800-424-9300 (toll free) or 1-703-527-3887
 Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER: MAY BE CORROSIVE TO METALS.
 CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.
 MAY CAUSE AN ALLERGIC SKIN REACTION.
 MAY CAUSE CANCER.

HAZARD CLASS	HAZARD CATEGORY
CORROSIVE TO METALS	1
SKIN CORROSION	1
SERIOUS EYE DAMAGE	1
SKIN SENSITIZATION	1
CARCINOGENICITY	1A

PICTOGRAM(S)



Precautionary Statements

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep only in original packaging. Avoid breathing vapors, mist, or spray. Wash affected area thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, clothing, eye and face protection.
Response: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical attention. If skin irritation or rash occurs: Get medical attention. Wash contaminated clothing before reuse. Absorb spillage to prevent material damage.
Storage: Store locked up. Store in corrosive resistant container with a resistant inner liner.
Disposal: Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Component(s)	CAS Number	Percentage*
Phosphoric acid	7664-38-2	10 - 30
Diethyleneglycol monoethyl ether	111-90-0	1 - 5
Nonionic surfactant	Proprietary	1 - 5
2-Propanol	67-63-0	1 - 5
Sulfuric acid	7664-93-9	0.1 - 1
Diiron trioxide	1309-37-1	0.1 - 1

* Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

4. FIRST AID MEASURES

Inhalation:	Get medical attention. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Move to fresh air.
Skin contact:	Immediately flush skin with plenty of water (using soap, if available). If symptoms develop and persist, get medical attention.
Eye contact:	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
Ingestion:	Get immediate medical attention. Never give anything by mouth to an unconscious person. DO NOT induce vomiting unless directed to do so by medical personnel.
Symptoms:	See Section 11.

5. FIRE FIGHTING MEASURES

Extinguishing media:	Foam, dry chemical or carbon dioxide.
Special firefighting 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

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental precautions:	Do not allow product to enter sewer or waterways.
Clean-up methods:	Ensure adequate ventilation. Neutralize acid using lime or a lime based agent compatible with the product. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Flush with water. Store in a partly filled, closed container until disposal.

7. HANDLING AND STORAGE

Handling:

Wash thoroughly after handling. Do not get in eyes. Do not get on skin or clothing. Do not taste or swallow. Avoid breathing vapors or mists of this product. Keep container closed. Use only with adequate ventilation.

Storage:

Keep from freezing. Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Phosphoric acid	3 mg/m3 STEL 1 mg/m3 TWA	1 mg/m3 PEL	None	None
Diethyleneglycol monoethyl ether	None	None	25 ppm (140 mg/m3) TWA	None
Nonionic surfactant	None	None	None	None
2-Propanol	200 ppm TWA 400 ppm STEL	400 ppm (980 mg/m3) PEL	None	None
Sulfuric acid	0.2 mg/m3 TWA Thoracic fraction.	1 mg/m3 PEL	None	None
Diiron trioxide	5 mg/m3 TWA Respirable fraction.	10 mg/m3 PEL Fume. 50 MPPCF TWA Total dust. 5 mg/m3 TWA Respirable fraction. 15 mg/m3 TWA Total dust. 15 MPPCF TWA Respirable fraction.	None	None

Engineering controls:

Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination below occupational exposure limits.

Respiratory protection:

Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

Eye/face protection:

Safety goggles or safety glasses with side shields.

Skin protection:

Chemical resistant, impermeable gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Color:	Blue
Odor:	Grape
Odor threshold:	Not available.
pH:	1.5 - 2.5
Vapor pressure:	Not available.
Boiling point/range:	212 °F (100°C)Approximately
Melting point/ range:	Not applicable
Specific gravity:	1.05
Vapor density:	Not available.
Flash point:	Not determinable.
Flammable/Explosive limits - lower:	Not applicable
Flammable/Explosive limits - upper:	Not applicable
Autoignition temperature:	Not applicable
Flammability:	Not applicable
Evaporation rate:	Not available.
Solubility in water:	Soluble

Partition coefficient (n-octanol/water): Not available.
VOC content: 2.23 %; 23.73 g/l
Viscosity: Not available.
Decomposition temperature: Not available.

10. STABILITY AND REACTIVITY

Stability: Stable
Hazardous reactions: Will not occur.
Hazardous decomposition products: Hydrogen, by reaction with metals.
Incompatible materials: Sulfites. Ethylene oxide. Reactive isocyanates. Chlorine. Strong bases. Sulfides. Reducing agents. Strong oxidizing agents.
Reactivity: Not available.
Conditions to avoid: Extremes of temperature and direct sunlight. Store away from incompatible materials.

11. TOXICOLOGICAL INFORMATION

Relevant routes of exposure: Ingestion, Eye contact, Skin, Lungs

Potential Health Effects/Symptoms

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:	Causes skin burns. May cause skin irritation. Redness. May cause allergic skin reaction.
Eye contact:	Tearing. Redness. May cause irritation. Causes eye burns. Stinging.
Ingestion:	May cause central nervous system effects, such as headache, nausea, vomiting, abdominal pain, dizziness, confusion, and breathing difficulties. May be harmful if swallowed.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Phosphoric acid	Oral LD50 (Rat) = 1,530 mg/kg Dermal LD50 (Rabbit) = 2,740 mg/kg	Irritant, Corrosive
Diethyleneglycol monoethyl ether	Oral LD50 (Rat) = 1,920 mg/kg Oral LD50 (Rat) = 5.54 g/kg Oral LD50 (Rat) = 5,900 mg/kg Oral LD50 (Mouse) = 6.58 g/kg Oral LD50 (Rabbit) = 3,620 mg/kg Oral LD50 (Rat) = 6,500 mg/kg Oral LD50 (Mouse) = 7,863 mg/kg Oral LD50 (Mouse) = 12,400 mg/kg Oral LD50 (Rabbit) = 4,450 mg/kg Oral LD50 (Rat) = 7,500 mg/kg Oral LD50 (Mouse) = 7,248 mg/kg Dermal LD50 (Mouse) = 6,000 mg/kg Dermal LD50 (Rabbit) = 10,300 mg/kg Dermal LD50 (Rat) = 6,000 mg/kg Dermal LD50 (Rabbit) = 11,176 mg/kg Dermal LD50 (Rabbit) = 8,500 mg/kg Dermal LD50 (Rabbit) = 8,476 mg/kg	Blood, Central nervous system, Irritant, Kidney
Nonionic surfactant	None	Allergen, Irritant
2-Propanol	Oral LD50 (Rat) = 5,045 mg/kg Oral LD50 (Mouse) = 3,600 mg/kg Oral LD50 (Rabbit) = 6,410 mg/kg Oral LD50 (Rat) = 4.7 g/kg Oral LD50 (Mouse) = 4.5 g/kg Oral LD50 (Rabbit) = 8.0 g/kg Oral LD50 (Rabbit) = 5.03 g/kg Dermal LD50 (Rabbit) = 12,800 mg/kg	Allergen, Central nervous system, Irritant
Sulfuric acid	None	Carcinogen, Corrosive, Irritant
Diiron trioxide	None	Allergen, Cardiac, Central nervous system, Irritant, Kidney, Liver, Lung

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Phosphoric acid	No	No	No
Diethyleneglycol monoethyl ether	No	No	No
Nonionic surfactant	No	No	No
2-Propanol	No	No	No
Sulfuric acid	Known To Be Human Carcinogen.	Group 1	No
Diiron trioxide	No	No	No

12. ECOLOGICAL INFORMATION

Ecological information:

Not available.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Follow all local, state, federal and provincial regulations for disposal.

Hazardous waste number: D002: Corrosive.

14. TRANSPORT INFORMATION

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.

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
DOT Hazardous Substance(s):	Phosphoric acid

International Air Transportation (ICAO/IATA)

Proper shipping name:	Phosphoric acid, solution
Hazard class or division:	8
Identification number:	UN 1805
Packing group:	III

Water Transportation (IMO/IMDG)

Proper shipping name:	PHOSPHORIC ACID SOLUTION
Hazard class or division:	8
Identification number:	UN 1805
Packing group:	III

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: Nonionic surfactant (CAS# 9016-45-9).

CERCLA/SARA Section 302 EHS: Sulfuric acid (CAS# 7664-93-9).

CERCLA/SARA Section 311/312: Delayed Health, Immediate Health

CERCLA/SARA Section 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). Diethyleneglycol monoethyl ether (CAS# 111-90-0).

CERCLA Reportable quantity: Phosphoric acid (CAS# 7664-38-2) 5,000 lbs. (2,270 kg)
2-Propanol (CAS# 67-63-0)

California Proposition 65: This product contains a chemical known in 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 Canadian Domestic Substances List.

16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: This Safety Data Sheet contains changes from the previous version in Section(s): 2,3,8,9,11,15,16

Prepared by: Product Safety and Regulatory Affairs

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