



SAFETY DATA SHEET

1. Identification of the Substance and Company

Liqui-Jet 2 Detergent

Instrument Detergent

Product No. 1037

MSDS No. 1037

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Date Created: December 1, 2001 Date Revised: January 13, 2009

NFPA 704 HAZARD RATING:

HEALTH: 1
FIRE: 0
REACTIVITY: 0

Date Reviewed: NA

STERIS Corporation, P. O. Box 147, St. Louis, MO 63166, US
Emergency Telephone No. 1-314-535-1395 (STERIS); 1-800-424-9300 (CHEMTREC)
Telephone Number for Information: 1-800-548-4873 (Customer Service-Healthcare Products)

2. Hazards Identification: May cause eye and skin irritation.

3. Composition/Information on Ingredients

Hazardous Component(s)	% By Wt.	CAS No.	EU No.	Symbol	R Phrases	Oral LD ₅₀	LC ₅₀
Sodium hydroxide	1-5%	1310-73-2	NA	NA	NA	500mg/kg LDLo (rabbit)	240ug/l (96h) (Bluegill)
Sodium silicate	3-7%	1344-09-8	NA	NA	NA	1.0- 2.2g/kg (rat)	ND
Tetrasodium ethylenediamine tetraacetate	10-30%	64-02-8	NA	NA	NA	>2,000mg /kg (rat)	157mg/l (96 h) (Lepomis machroch irus)

4. First Aid Measures

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Contact a physician.

Skin Contact: Immediately flush skin with plenty of water for at least 15 minutes. Call a physician if irritation occurs.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and call a physician.

Ingestion: If swallowed, give milk or water to dilute material. DO NOT induce vomiting. Call a physician.

5. Fire-Fighting Measures

Conditions of Flammability/Flash Point/Auto-ignition Temperature: N/A

Upper Flammable Limit: NA **Lower Flammable Limit:** NA

Special Hazards: Will not burn but may splatter if temperature exceeds boiling point.

Explosibility Data: ND

Extinguishing Media: Use water, carbon dioxide or foam.

Special Fire Fighting Procedures: Wear positive-pressure self-contained breathing apparatus.

Hazard Combustion Products: Carbon monoxide and carbon dioxide. In contact with some metals, hydrogen gas may be released.

6. Accidental Release Measures: Contain spill and soak up with inert absorbent. Place in a container for proper disposal. Rinse contaminated area with water.

7. Handling and Storage

7.1 Handling: Product will withstand an occasional accidental freezing. It must be thoroughly thawed and agitated before being used.

7.2 Storage: Store at temperatures below 115^oF. Store away from acids, strong oxidizing agents, reducing agents and chlorine.

8. Exposure Control/Personal Protection

8.1 Occupational Exposure Limits: Sodium hydroxide: ACGIH TLV and OSHA PEL: 2 mg/m³ ceiling

8.2 Personal Protection

Respirator Protection: Not required. **Eye Protection:** Chemical goggles.

Protective Gloves: Rubber or neoprene gloves.

Other Protective Clothing and Equipment: Protective body equipment to prevent skin contact.

Engineering Controls/Ventilation: General local exhaust ventilation as necessary to control any release to the environment in excess of the specified threshold limit.

9. Physical and Chemical Properties

Solubility in Water: soluble

Specific Gravity: Approximately 1.13

Physical State/Appearance/Odor: Clear, light yellow liquid. Bland odor.

pH: (1% soln. w/w): Approximately 10.7 – 11.3

Odor Threshold, Vapor Pressure, Vapor Density, Evaporation Rate, Boiling Point and Freezing Point: Not Available **Coefficient of Water/Oil Distribution:** Not Applicable

10. Stability and Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur.

Incompatible Materials: Acids, strong oxidizing agents, reducing agents and chlorine.

Conditions to Avoid/Conditions of Reactivity: None known.

Hazardous Decomposition or Byproducts: Carbon monoxide and carbon dioxide in a fire situation. In contact with some metals, hydrogen gas may be released.

11. Toxicological Information

11.1 Acute (Primary Routes of Exposure)

Eyes (Irritancy): Eye irritant.

Skin (Irritancy or Sensitization): Irritation will occur upon repeated contact.

Inhalation: Irritation may occur.

Ingestion: Harmful if swallowed.

11.2 Long Term Exposure: None known.

Carcinogenicity: IARC, NTP and OSHA do not list this product or its ingredients as carcinogens.

Reproductive Toxicity/Teratogenicity/Mutagenicity/Toxicologically Synergistic Products: ND

12. Ecological Information: ND

13. Disposal Considerations: Product may be flushed to a sanitary sewer with copious amounts of water, if in accordance with state, local and federal regulations. For additional guidance, contact the State Water Board or the Regional Office of the EPA.

14. Transport Information

Ground: Shipping Name: Non-hazardous

Sea: IMDG Class: Non-hazardous

Air: ICAO/IATA Class: Non-hazardous

15. Regulatory Information: USA State Regulations: NA

WHMIS Classification: D2 – Materials Causing Other Toxic Effects (Irritant)

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by the controlled Products Registration.

16. Other Information: The information on this sheet is not a specification and does not guarantee specific properties. The information is intended to provide general knowledge as to health and safety based upon our knowledge of the handling, storage and use of the product. It is not applicable to unusual or non-standard uses of the product or where instruction or recommendations are not followed.

NA - Not Applicable

ND - No Data