

OLCO ULTRASONIC TECHNICAL DATA

OLCO ULTRASONIC is an effervescent, low foaming, non-flammable cleaner designed for use in ultrasonic equipment. It is highly concentrated for rapid penetration and lowering of surface tension. Frequency waves, along with the action of the detergent allow for quick release of the protein, crude based soils and other contaminants from the hard surface components in the solution.

PHYSICAL DATS:

Physical	Liquid
Foam	Low
Ph 1% Sol	11.0
Color	Purple
Stability	Complete over wide thermal range
Biodegradable	Yes
Rinsing	Complete
Surface Tension Reduction	30 dynes/cm ³

KEEP OUT OF REACH OF CHILDREN

WARNING: Contact with Eyes will cause tissue irritation, damage or destruction. Should contact occur flush eyes immediately with fresh water for fifteen minutes. Use Boric acid eye wash if available. If irritation persists consult a physician.

This material contains sodium silicate which is identified as a hazardous chemical under the criteria of OSHA Hazardous Communication Standard (29CFR.1910-1200).

GLOVES & GOGGLES SHOULD BE WORN WHEN HANDLING THIS PRODUCT

HMIS:PERSONAL 2, REACTIVITY 0, FLAMMABILITY 0

MANUFACTURED BY:
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MATERIAL SAFETY DATA SHEET

Oliver Chemical Company, Inc.

2908 Spring Grove Avenue
Cincinnati, Ohio 45225

H.M.I.S.

HEALTH 2
FLAMMABILITY 0
REACTIVITY 0
GLOVES & GOGGLES

Date: 1/10/2009
MSDS Number: MC90
Phone 1-888-541-OLCO

24-Hour Emergency Telephone
1-800-424-9300 CHEMTREC

1. PRODUCT IDENTIFICATION

PRODUCT NAME: OLCO ULTRASONIC

DOT PROPER SHIPPING NAME AND DESCRIPTION: Compounds, cleaning liquid, n.o.s.

2. HAZARDOUS INGREDIENTS

Hazardous Components (Specific Chemical Identity)	CAS No	% WGT	OSHA PEL	ACGIH TLV	Other Limits
Sodium silicate	1334-09-8	<7	None Est.	None Est.	N/A

No reportable elements under Section 313 of the Superfund Amendments and Reauthorization Act

3. PHYSICAL DATA

Boiling Point: 102°C
Vapor Pressure (mm. Hg.): Nonvolatile
Vapor Density (air=1): Nonvolatile
Solubility in water: Complete
Appearance and Odor: Purple liquid, non specific scent
pH 1% sol 11.0
Specific Gravity (H₂O = 1): 1.10
Melting Point: -6°C
Evaporation Rate: Nonvolatile
(butyl acetate = 1)

4. FIRE AND EXPLOSION DATA

Flash Point: NA
Flammable Limits: NA
Extinguishing Media: water spray, alcohol foam, CO₂
Special Fire Fighting Procedures: Use NIOSH/MSHA approved self-contained breathing apparatus in areas where this material is involved in a fire. This product is nonflammable.
Unusual Fire and Explosion Hazards: Protective clothing for skin and eye protection should be worn to protect against highly alkaline chemicals.

5. REACTIVITY DATA

Conditions contributing to instability: Under normal conditions this product is stable.
Incompatibility: Do not mix with acidic products.
Hazardous Decomposition Products: None
Conditions contributing to hazardous polymerization: None

6. HEALTH HAZARD INFORMATION

Route(s) of entry: Eyes, skin, and ingestion
Health Hazards: **Acute:** Can irritate skin, eyes (possible corneal irritation), mucous membranes of the respiratory tract, mouth, throat, esophagus and stomach. **Chronic:** Local effect may consist of multiple areas of superficial destruction of the skin or of primary irritant dermatitis.

This product has a low vapor pressure at room temperature and is not expected to present a significant inhalation hazard under ambient conditions. This product, however, can be irritating to the respiratory tract if inhaled as a mist or if the material is vaporized. Dermal contact is expected to be the primary route of exposure to this product. This product is considered corrosive to the eyes and skin.

Signs and symptoms of exposure: Burning eyes, redness of skin.

Carcinogenicity: Not known to be carcinogenic or mutagenic.

Medical conditions generally aggravated by exposure: Sensitive skin

Emergency and first aid procedures

Eyes: Object is to flush material out **immediately** then seek medical attention. **Immediately** flush eyes with large amounts of water for at least fifteen minutes holding lids apart to ensure flushing of the entire surface. Washing eyes within one minute is essential to achieve maximum effectiveness. Seek medical attention immediately.

Skin: Wash with plenty of water for fifteen minutes. Remove contaminated clothing and wash before reuse. Footwear should be decontaminated before reuse. Seek medical attention if symptoms are present.

Ingestion: **Never give anything by mouth to an unconscious person. If swallowed, do not induce vomiting.** Give large quantities of water. (If available, give several glasses of milk.) If vomiting occurs spontaneously, keep airway clear. Seek medical attention immediately.

7. ENVIRONMENTAL PROCEDURES

Steps to be taken in case material is released or spilled: Using appropriate protection (impervious gloves, coveralls, boots, goggles, etc.) contain spill. Flush area with potable water. Neutralize remaining traces with dilute mineral acids to a pH of 6 - 8.

Waste disposal Method: Due to widespread variance in disposal regulations, consult federal, state, and local regulatory agencies for proper disposal of this product.

Precautions to be taken in handling and storing: Good industrial hygiene practices should be adhered to when handling and storing this product. Avoid contact with undiluted product.

8. INDUSTRIAL HYGIENE CONTROL MEASURES

Respiratory Protection: Where required use only NIOSH/MSHA approved respirator following manufacturer's recommendation where mist or spray of concentrate may be generated.

Ventilation: Use local ventilation where spray or mists of concentrate may be generated.

Eyes: Chemical splash goggles and face shield should be worn when working with this product.

Protective Gloves: Gloves coated with rubber, synthetic elastomers, PVC, or other impervious material should be worn when handling this product to minimize skin contact.

Other protective clothing or equipment: Standard work clothes should be worn. Wash soiled clothing in soap and water and dry before reuse. Eyewash facilities should be accessible.

This Material Safety Data Sheet was prepared in accordance with 29 CFR 1910.1200. All information, recommendations and suggestions appearing herein concerning our product are based upon tests and data believed to be reliable, however it is the user's responsibility to determine the safety, toxicity and suitability for their own use of the product described herein. Since actual use by others is beyond our control, no guarantee expressed or implied is made by Oliver Chemical Company, Inc. as to the effects of such use, the results to be obtained or the safety and toxicity of the product nor does Oliver Chemical Company, Inc. assume any liability arising out of use by others of the product referred herein. Nor is the information herein to be construed as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.