

Alpha Resources Inc.

Safety Data Sheet (SDS)

Revision Date: Mya 12, 2015

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**Ultrasonic Cleaner**

AM1110

This product is intended for laboratory use.

Alpha Resources Inc. 3090 Johnson Rd. Stevensville, MI 49127 (269)465-5559

CHEMTREC Emergency Phone Number: (800) 424-9300

Signal Word: DANGER

SECTION 2— HAZARDS IDENTIFICATION

Hazard Class: Corrosive to metals (category 1), skin corrosion/irritation (category 1B), serious eye damage (category 1), and specific target organ toxicity, single exposure, respiratory tract irritation (category 3).

Hazard Statements: May be corrosive to metals (H290), causes severe skin burns and eye damage (H314), causes serious eye damage, and may cause respiratory irritation (H335).

Precautionary Statements: Keep only in original container and stored in a well ventilated place (P233+P234), don't breathe dust/fume/gas/mist/vapors/spray (P260), avoid breathing dust/fumes/gas/mist/vapors/spray (P261), wash thoroughly after handling (P264), use only outdoors or in a well-ventilated area (P271), wear protective gloves/protective clothing/eye protection/face protection (P280), store locked up, in a closed container (P404+P405), and dispose of contents/container according to international regulations (P501).

First-aid Statement: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing, Call a POISON CENTER or doctor/physician if you feel unwell. (P304+P340+P312), IF SWALLOWED: rinse mouth. Do NOT induce vomiting (P301+P330+P331), IF ON SKIN (or hair): remove/take off immediately all contaminated clothing. Rinse skin with water/shower (P303+P361+P353), IF IN EYES: rinse cautiously with water for several minutes, remove contact lenses if present and easy to do continue rinsing (P305+P351+P338), and was contaminated clothing before reuse (P363).

**SECTION 3— COMPOSITION, INFORMATION ON INGREDIENTS****Hazardous substance required for disclosure.**

Component	CAS #	Common %
Sodium Metasilicate	6834-92-0	<10

As per paragraph (i) of 29 CFR 1910.1200, formulation is considered a trade secret and specific chemical identity and exact percentage of composition may have been withheld. Specific chemical identity and exact percentage composition will be provided to health professionals, employees, or designated representatives in accordance with applicable provision of paragraph (i).

SECTION 4— FIRST AID MEASURES

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P340). Seek medical attention.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing (P305+P351+P338). **If eye irritation persists:** Get medical advice or attention (P337+P313).

If on skin: Wash with plenty of soap and water (P302+P352). If persists seek medical attention and bring label. Remove contaminated clothes or footwear. Don't reuse clothing until laundered.

If swallowed: Wash out mouth with water if the person is able to do so. Never give anything by mouth to an unconscious person. Call a doctor or poison center.

SECTION 5 — FIRE FIGHTING MEASURES

Appropriate Extinguishing Media: Use media appropriate for surroundings.

Inappropriate Extinguishing Media: N/A

Specific Hazards Arising from Chemical: May produce irritating, corrosive and/or toxic gases.

Fire Fighting Instructions: Evacuate area. Firefighters should use standard protective equipment including self-contained breathing apparatus. Don't breathe in fumes. Evacuate area. Chemical resistant protection should be used if available.

Flash Point: N/A

Auto-ignition temperature: N/A

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use suitable personal protective equipment when cleaning up any spills. Don't breathe in mist or vapors. Be sure that adequate ventilation is set up.

Clean-up Method: Absorb with sand, earth or other non-combustible material. Collect the material and dispose of according to local, regional, state, and federal regulations. Using damp cloth wipe up spill area. Avoid discharge into water ways or drains.

SECTION 7 — HANDLING AND STORAGE

Handling: Avoid any contact with bare skin, clothing, and eyes. Wash all areas after handling material. Proper ventilation is required when using this product. Don't breathe in dust/fume/gas/mist/vapor/spray. Avoid prolonged exposure. Keep away from open flames, hot surfaces and sources of ignition.

Storage: This product should be stored in a cool, dry place and kept sealed (P233) when not in use. Keep container closed when not in use. Keep out of reach of children.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Limit Values:

Component	CAS #	OSHA PEL	ACGIH TLV
Sodium Metasilicate	6834-92-0	15mg/m ³	10mg/m ³

Engineering Controls: Proper ventilation must be available to be certain exposure limits are not exceeded.

Personal Protection: Wear a NIOSH applicable certified respirator to limit exposure to materials.

Hand Protection: Glove suitability will differ depending on the end use of product. Chemical

Eye protection: Safety glasses with side shields are necessary if splashing is possible. Eye wash station should be in close proximity to work area. Safety shower should also be nearby.

Skin and Body Protection: Chemical and oil resistant clothing are recommended for extended periods of contact.

Hygiene: Wash hands and areas of possible exposure after handling material especially before eating, drinking, and smoking. The work clothing should also be washed regularly to remove any contaminants. Dispose of contaminated clothing that can't be deemed safe.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Note: Physical and chemical properties are provided for safety, health, and environmental considerations only and may not represent the products specifications. Contact supplier for additional information.

Appearance: Clear liquid	Odorless	Specific Gravity: 1.14
Melting Point: N/A	Relative Density: N/A	Vapor Density: N/A
Vapor pressure: N/A	Solubility: 100%	Boiling Point: 100°C
Flash point: N/A	Auto-Ignition Temperature: N/A	pH(10% soln): 11
Explosive limits, LEL (vol.%): N/A	Explosive limits, UEL (vol.%): N/A	

SECTION 10 — STABILITY AND REACTIVITY

Stable material, at normal laboratory conditions.

Avoid: Keep away from high temperatures and incompatibles.

Incompatible: Strong acids, alkali, and strong oxidizing agents

Hazardous Decomposition: None

Hazardous Polymerization: Wont occur

SECTION 11 — TOXICOLOGICAL INFORMATION

Information on toxicological effects

Toxicological data: no data available

Primary Route of Entry: Eye contact and skin contact

Inhalation: High concentrations of mist may cause irritation of the respiratory tract.

Skin: Any contact could produce slight irritation. Prolonged exposure may bring about severe irritation with pain, redness, swelling and possible tissue damage.

Eye: Causes severe irritation with symptoms including discomfort/pain, excess blinking/tearing, and swelling of the conjunctiva.

Ingestion: May cause dizziness, nausea, incoordination, diarrhea, general weakness, and vomiting.

Carcinogenicity: This material isn't listed as a carcinogen by IARC, NTP, or OSHA.

Reproductive toxicity: no data available

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

SECTION 12 — ECOLOGICAL INFORMATION

Eco-toxicity Data: No data

Mobility in Soil: No data

Bio-accumulative Potential: No data

Persistence and Degradability: No data

SECTION 13 — DISPOSAL CONSIDERATIONS

Waste disposal should be done in compliance with existing federal, state and local environmental regulations. Do not contaminate any streams, lakes, or ponds.

SECTION 14 — TRANSPORT INFORMATION

DOT

UN# UN3266 Proper shipping name: Corrosive liquid, Basic, Inorganic, N.O.S. (sodium metasilicate)

Class:8 Packing Group: II

IATA

UN# UN3266 Proper shipping name: Corrosive liquid, Basic, Inorganic, N.O.S. (sodium metasilicate)

Class:8 Packing Group: II

IMDG

UN# UN3266 Proper shipping name: Corrosive liquid, Basic, Inorganic, N.O.S. (sodium metasilicate)

Class:8 Packing Group: II

SECTION 15 — REGULATORY INFORMATION

U.S. Regulations:

CERCLA Sections 102a/103 (40 CFR 302.4): Not regulated.

SARA Title III Section 302 (40 CFR 355.30): Not regulated.

SARA Title III Section 304 (40 CFR 355.40): Not regulated.

SARA Title III Section 313 (40 CFR 372.65): Not regulated.

OSHA Process Safety (29 CFR 1910.119): Not regulated.

SARA Title III Sections 311/312 Hazardous Categories (40 CFR 370.21):

ACUTE HEALTH: Yes

CHRONIC HEALTH: Yes

FIRE: No

REACTIVE: No

PRESSURE: No

State Regulations: California Proposition 65: Not listed.

US Massachusetts Right to Know: none

US Pennsylvania Right to Know: none

US New Jersey Right to Know: none

U.S. TSCA Inventory: Listed

Canadian Regulations: WHMIS Information is not provided for this material

SECTION 16 — OTHER INFORMATION

The data and information as stated was furnished by the manufacturer/vendor/supplier of this product. Alpha Resources Inc. cannot warrant the accuracy of this information and shall not be responsible or liable for any damage that may result, should any of the information be erroneous.