

SECTION 1 – IDENTIFICATION

Product Name: EchoMix® SINGLE Recommended Use: Mix with water as instructed to form Ultrasonic Couplant, Operating Range: 32° to 120°F (0° to 50°C) Restrictions on Use: For Industrial Use Only	Manufacturer: Echo Ultrasonics® LLC 774 Marine Drive, Bellingham, WA 98225 360-671-9121; www.echoultrasonics.com Emergency: US: 1-800-255-3924 Outside US: +1-813-248-0585
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SECTION 2 – HAZARDS

General Information: Not Hazardous by OSHA HazCom 2012 criteria. The information in this Safety Data Sheet concerns the concentrated, dry ingredients.



Contains the mineral Borax which if ingested (eaten) in significant quantity is toxic and may cause reproductive damage. Keep away from children and persons with dementia

Color: White to off-white
Physical State: Powder
Odor: Mild
Hazards: May cause allergic skin reaction in sensitive individuals. Slippery when mixed with water.
 May cause eye, skin, and respiratory tract irritation. Potentially harmful if swallowed.

Hazards:
Eye: Dust may cause irritation or corneal injury due to mechanical action.
Skin: May cause irritation
Inhalation: Dust may irritate throat
Ingestion: Potentially harmful if ingested in large quantities (>1 packet) by adults. If a child ingests any portion, consult a physician. Symptoms include nausea, headache, chills, and general weakness. Overall toxicity is estimated to be moderate.

SECTION 3 – COMPOSITION/INGREDIENTS

Component	CAS #	WT %
Polymer (cellulose)	9004-34-6	~70 %
Corrosion Inhibitor (Borax)	1303-96-4	<30 %
Sodium Molybdate	7631-95-0	< 5 %

SECTION 4 – FIRST-AID MEASURES

General Information: When combined with water as directed, this product has been formulated to be benign. To avoid irritation, use good industrial hygiene when mixing to avoid getting powders into open wounds or on mucus membranes. Keep away from children and adults with dementia

Eyes: Flush eyes with plenty of water. Remove contacts after 1-2 minutes; flush for several minutes.

Skin: Brush off dry powder. Rinse away residue with water.

Inhalation: Move to fresh air. Consult physician if effects occur.

Ingestion: Give several glasses of water or milk; induce vomiting - touch back of throat. Seek medical aid.

SECTION 5 – FIRE-FIGHTING MEASURES

Suitable Extinguishing Equipment: All standard extinguishing agents including water, dry chemical, and carbon dioxide. Note that residue from mixing with water may be slippery.

Specific Hazards from Combustion: During a fire, smoke may contain the original material in addition to combustion products, which may be toxic or irritating. Combustion products may include and are not limited to carbon monoxide and carbon dioxide.

Recommendations: Keep people away. Soak thoroughly with water to cool and prevent re-ignition. Fight fire from a safe distance with adequate ventilation, or wear positive pressure self-contained breathing apparatus and protective clothing. Material is slippery when wet.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions: Spilled material may cause a slipping hazard. .Keep unnecessary people away.

Containment: Avoid creating airborne dust.

Procedures: Sweep or shovel spilled material into containers with a minimum of dusting. Avoid use of water

Cleanup Procedures: because material is slippery when wet.

SECTION 7 – HANDLING AND STORAGE

General Handling: Keep away from heat, sparks, or flame. Avoid contact with skin and eyes. Do not breathe product dusts. Exercise good personal hygiene, good housekeeping practices. Wash after handling.
 Store in original closed containers in a cool, dry area, preferably between 5 – 35° C (40 - 95° F)

Recommendations: Keep away from children.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits: OSHA PEL = 15 mg/M³ total dust, - unlikely to be produced due to small package size. Avoid high concentrations of airborne dust by using mechanical ventilation if needed.

Engineering Controls: **Eyes:** Use safety glasses if there is a possibility for exposure.

Personal Protection: **Skin:** Wear gloves if sensitive to any listed ingredients.
Respiratory: Wear NIOSH-approved dust respirator if conditions are dusty, or if adverse effects are experienced.



SAFETY DATA SHEET

ECHOMIX[®] SINGLE Powder UT Couplant

Additional: It is good general practice to provide eyewash stations or rinse bottles.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White to off-white Powder
Odor: Mild to none
Solubility: 100% in water, when mixed as directed
pH: ~9 when mixed with water as directed
Viscosity: 20,000 – 25,000 CPS when mixed as directed
Flammable Limits: Upper: No data; Lower: No data
Boiling Point, Evaporation Rate: Not applicable
Flammability: Avoid temperatures over 266°F (130°C): Not flammable by WHMIS/OSHA/ NOM-018-STPS-2000 criteria

SECTION 10 – STABILITY AND REACTIVITY

Reactivity: Stable under normal conditions
Chemical Stability: Stable under normal conditions
Potential Hazards: Can react explosively if heated in the presence of zirconium
Conditions to Avoid: Avoid temperatures above 130° C (266° F) to avoid decomposition. Avoid sparks or flame (dry powder) Avoid strong oxidizers, strong acids, strong bases
Incompatible Materials: Will not occur
Hazardous Polymerization: None known
Hazardous Decomposition Products: None known

SECTION 11 – TOXICOLOGICAL INFORMATION

Likely Routes and Effects of Exposure: See section 2
Exposure: See section 2
Immediate: No data
Delayed or Chronic symptoms: No specific data, but general low toxicity in similar industrial formulations.

SECTION 12 – ECOLOGICAL INFORMATION

Toxicology Data: Not expected to be acutely toxic to aquatic organisms.
No appreciable biodegradation is expected.
Environmental Persistence/Degradation: No bioaccumulation is expected.
Not expected
Soil to Groundwater Motility: None expected

SECTION 13 – DISPOSAL CONSIDERATIONS

General Information: Do not dump into sewers, on the ground, or into any body of water. All disposal practices must be in compliance with all Federal, State, and Local laws and regulations.
Disposal Methods: Any disposal container – into Landfill
Sewage Disposal: Small quantities generally permissible
Precautions for landfills or incinerators: None

SECTION 14 – TRANSPORT INFORMATION

UN Number, Proper Shipping Name: Not assigned
Transport Hazard Class/Packing Group: None
Environmental Hazards: None
Bulk Transport Guidance: None
Special Precautions: Not restricted, not regulated, not hazardous & not dangerous to transport by air by IATA.

SECTION 15 – REGULATORY INFORMATION

Regulatory Information not included elsewhere: **TSCA Inventory:** All ingredients listed
CEPA: All ingredients listed on DSL
Section 311 SARA Title III/CERCLA
Immediate (acute): Yes
Delayed (chronic): No
Fire Hazard or Reactive: No
Sudden Release of Pressure: No
SARA 313
This product does not contain chemicals which require reporting.

SECTION 16 – OTHER INFORMATION

SDS Preparation Date: 17 Oct 2013
Last Revision: 18 March 2020
Changes from Last Revision: Annual Review
Other Information: None

All information herein is provided in good faith and believed to be accurate and reliable. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ according to location. It is the buyer's/user's responsibility to ensure that this product is used in compliance with all federal, state, and local laws.