**SAFETY DATA SHEET**  
**ECHOMIX® SINGLE**  
**Powder UT Couplant**

### SECTION 1 – IDENTIFICATION

<table>
<thead>
<tr>
<th>Product Name:</th>
<th>EchoMix® SINGLE</th>
<th>Manufacturer:</th>
<th>Echo Ultrasonics® LLC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recommended Use:</td>
<td>Mix with water as instructed to form</td>
<td>774 Marine Drive, Bellingham, WA 98225</td>
<td></td>
</tr>
<tr>
<td>Ultrasonic Couplant, Operating Range:</td>
<td>32° to 120°F (0° to 50°C)</td>
<td>360-671-9121; <a href="http://www.echoultrasonics.com">www.echoultrasonics.com</a></td>
<td></td>
</tr>
</tbody>
</table>

### SECTION 2 – HAZARDS

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

**Hazards:** 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.

**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

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
<th>WT %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polymer (cellulose)</td>
<td>9004-34-6</td>
<td>~70 %</td>
</tr>
<tr>
<td>Corrosion Inhibitor (Borax)</td>
<td>1303-96-4</td>
<td>&lt;30 %</td>
</tr>
<tr>
<td>Sodium Molybdate</td>
<td>7631-95-0</td>
<td>&lt; 5 %</td>
</tr>
</tbody>
</table>

### 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.  

**Eye:** 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:** 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 Procedures:** Avoid creating airborne dust. Sweep or shovel spilled material into containers with a minimum of dusting. Avoid use of water 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:** Wear NIOSH-approved dust respirator if conditions are dusty, or if adverse effects are experienced.

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*Page 1 of 2*
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  
**Immediate:** See section 2  
**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.  
**Environmental Persistence/Degradation:** No appreciable biodegradation is expected.  
**Environmental Bioaccumulation:** No bioaccumulation is expected.  
**Soil to Groundwater Motility:** Not expected  
**Environmental Hazards:** 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.