


**SECTION 1 – IDENTIFICATION**

<b>Product Name:</b> EchoMix®	<b>Manufacturer:</b> Echo Ultrasonics® LLC
<b>Recommended Use:</b> Mix both parts with water as instructed to form Ultrasonic Couplant	774 Marine Drive, Bellingham, WA 98225; 360-671-9121 www.echoultrasonics.com
<b>Restrictions on Use:</b> For Industrial Use Only	<b>Emergency:</b> 360-758-2702
	<b>Date Australian contact details added:</b> November 2015
	<b>Australian Distributor:</b> Russell Fraser Sales Pty Ltd. 7/38 Waratah Street, Kirrawee, NSW, 2232, AUS
	<b>Phone: 02 9545 4433 (9am-5pm AEST) Fax: 02 9545 4218</b>
	<b>Emergency Tel After Hours: 0416 055 166</b>

**SECTION 2 – HAZARDS**

<b>General Information:</b>	<b>Not hazardous by OSHA HazCom 2012 Criteria</b> Combined with water as directed, this product has been formulated to be benign. The information in this Safety Data Sheet concerns the concentrated, dry ingredients.	
<b>Emergency Overview:</b>	<b>PART "A"</b> <b>Color:</b> White to off-white <b>Physical State:</b> Powder <b>Odor:</b> Mild <b>Hazards:</b> May cause allergic skin reaction in sensitive individuals.	<b>PART "B"</b>  <b>Contains the mineral Borax</b> which if ingested (eaten) in significant quantity is toxic and may cause reproductive damage. Keep away from children and persons with dementia
<b>Potential Health Hazards:</b>	Slippery when mixed with water. <b>Eye:</b> Powder may cause irritation or corneal injury due to mechanical action. <b>Skin:</b> Essentially nonirritating <b>Inhalation:</b> No adverse effects from occasional inhalation. <b>Ingestion:</b> Low toxicity, no harmful effects anticipated.	<b>Color:</b> White to off-white <b>Physical State:</b> Powder <b>Odor:</b> Odorless to Mild <b>Eye:</b> Dust may cause irritation or corneal injury due to mechanical action. <b>Skin:</b> No irritation expected to intact skin. <b>Inhalation:</b> Dust may irritate throat. <b>Ingestion:</b> Potentially harmful if ingested in large quantities (>1 packet) by adults. If a child ingests any portion of packet B, consult a physician. Symptoms include nausea, headache, chills and general weakness. Overall toxicity is estimated to be low. LD <sub>50</sub> in rats; 4,000 mg/kg body weight

**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**

<b>General Information:</b>	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.	
<b>Eyes:</b>	<b>PART "A"</b> Flush eyes with water to rinse away particles that can cause irritation or abrasion.	<b>PART "B"</b> Flush eyes with plenty of water. Remove contacts after 1-2 minutes and continue flushing for several minutes.
<b>Skin:</b>	Brush off dry powder. Rinse residue with water. Not normally a concern.	Brush off dry powder. Rinse away residue with water. Move to fresh air. Consult physician if effects occur. If conscious, give several glasses of water or milk and induce vomiting by touching finger to back of throat. Seek medical attention.
<b>Inhalation:</b>	No medical treatment necessary.	
<b>Ingestion:</b>	See above instructions	

**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.

**Unusual Hazards:** None.

**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.

**Emergency Procedures:** Keep unnecessary people away.

**Containment Procedures:** Avoid creating airborne dust.

**Cleanup Procedures:** 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 and good housekeeping practices. Wash after handling.

**Recommendations:** Store in original closed containers in a cool, dry area, preferably between 5 – 35° C (40 - 95° F)  
Keep away from children and adults with dementia.

**SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Permissible Exposure Limits:** OSHA PEL = 15 mg/M<sup>3</sup> total dust, which is unlikely to be produced due to small package size.

**Engineering Controls:** Avoid high concentrations of airborne dust by using mechanical ventilation if needed.

**Personal Protection:** **Eyes:** Use safety glasses if there is a possibility for exposure.

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

**Special Requirements:** None

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** White to off-white powder  
**Odor:** Mild to none  
**Odor Threshold:** No data  
**Solubility:** Part A = 100% in water, Part B=15-20% in water  
**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  
**Vapor Pressure and or Density:** Not applicable  
**Relative Density:** Part A = No data, Part B = 1.9 (water = 1)  
**Melting Point:** Part A = No data, Part B = 815° C (1,500° F)  
**Freezing/ Boiling point:** Not applicable  
**Evaporation Rate:** Not applicable  
**Flammability:** Avoid temperatures over 266°F (130°C): not flammable by WHMIS/OSHA/NOM-018-STPS-2000 criteria  
**Flash Point:** No data  
**Auto-Ignition/ Decomposition Temperature:** No data

**SECTION 10 – STABILITY AND REACTIVITY**

**Reactivity:** Stable under normal conditions  
**Chemical Stability:** Stable under normal conditions  
**Potential Hazards:** Part B - can react explosively if heated in the presence of zirconium  
 Avoid temperatures above 130° C (266° F) to avoid decomposition. Avoid sparks or flame.  
 Part A – avoid strong oxidizers, strong acids, strong bases  
**Conditions to Avoid:**  
**Incompatible Materials:** None known  
**Hazardous Polymerization/ decomposition:** None known

**SECTION 11 – TOXICOLOGICAL INFORMATION**

**Likely Routes and/or Effects of Exposure:** See section 2  
**Immediate:** See section 2  
**Delayed or Chronic Symptoms:** No data  
**Carcinogenicity:** No data  
**Other:** Part A has low/no chronic, developmental, reproductive, and/or genetic toxicity.  
 Part B has 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.  
**Bioaccumulation Potential:** 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. Disposal practices to be in compliance with all federal, state, and local laws / regulations.  
**Disposal Containers:** Any  
**Disposal Methods:** Landfill  
**Physical/ Chemical properties affecting disposal:** None  
**Sewage Disposal:** Small quantities (<1 packet) generally permissible  
**Special precautions for landfills or incinerators:** None

**SECTION 14 – TRANSPORT INFORMATION**

**UN Number and/or Proper Shipping Name:** Not assigned  
**Transport Hazard Class; Packing Group:** None  
**Environmental Hazards or Special Precautions:** None  
**Bulk Transport Guidance:** None

**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), Fire Hazard or Reactive:** No  
**Sudden Release of Pressure:** No  
**SARA 313**  
**Not hazardous by OSHA HazCom 2012 criteria nor listing under California Proposition 65.**

**SECTION 16 – OTHER INFORMATION**

**SDS Preparation Date:** 12 Dec 2012  
**Last Revision:** 21 July 2015  
**Changes from Last Revision:** Clarification and Compliance with GHS Guidelines

**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.*



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