

**1. PRODUCT AND COMPANY IDENTIFICATION**



**Product identifier**

**Product Name** ULTRASONIC CLEANER #2

**Other means of identification**

**Product Use:** Tartar and Stain Remover

**Details of the supplier of the safety data sheet**

**Company Name** Garreco, LLC.  
430 Hiram Road  
Heber Springs, AR 72543  
Phone: (800) 334-1443

**Emergency telephone number**

**Emergency Telephone** CHEMTRAC 1-800-424-9300  
CCN9105

**2. HAZARDS IDENTIFICATION**

**Classification**

**Physical Hazards:** Not Classified

<b>Health Hazards:</b>	
Causes serious eye irritation	Category 2A
Skin corrosion/irritation	Category 2

**Label elements**

**Emergency Overview**

**Danger**



**Environmental Hazard statements**

Causes skin irritation. Causes serious eye damage. May be harmful if swallowed.  
Harmful to aquatic life. May cause long lasting harmful effects to aquatic life.

**OSHA Defined Hazards:** Not Established

**Appearance** Clear

**Physical state** Liquid

**Odor** low odor

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Avoid release to the environment

**Precautionary Statements - Response**

Specific Treatment (See Section 4 on the SDS)  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 Immediately call a poison center/doctor.  
 IF ON SKIN (or hair): Wash with plenty of water. Call poison center/doctor if you feel unwell. If skin irritation occurs: get medical advice/attention. Take off contaminated clothing and wash it before reuse.  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 Call a poison center/doctor if you feel unwell.  
 IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Call a poison center/doctor if you feel unwell.

**Precautionary Statements - Storage**

Store in original container, upright, with lid tightly closed.

**Precautionary Statements - Disposal**

Dispose of contents/container according to all local/regional/national/international regulations.

**Hazards not otherwise classified (HNOC)** None Known

**Other Information**

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No.	Weight-%	Trade Secret
Sulfamic Acid	5329-14-6	10-20	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret. The exact identities of other ingredients have also been withheld as Trade Secret. However, they do not contribute to the identified hazards of the product and will be divulged to proper authorities in an emergency.

**4. FIRST AID MEASURES**

**First aid measures**

- General advice** Get medical attention/advice if you feel unwell or irritation is evident.
- Skin Contact** Wash with plenty of water. Call poison center/doctor if you feel unwell. If skin irritation occurs: get medical advice/attention. Take of contaminated clothing and wash it before reuse.
- Eye contact** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Call a poison control center or physician immediately.
- Inhalation** Remove to fresh air. Call a physician or poison control center if you feel unwell.
- Ingestion** Rinse mouth. DO NOT induce vomiting. Call a poison control center/doctor if you feel unwell.
- Self-protection of the first aider** Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** Eye itching, stinging, redness, tearing. Skin redness, itching.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

**5. FIRE-FIGHTING MEASURES**

**Suitable extinguishing media**

Water fog, Foam, Dry Chemical powder, Carbon Dioxide.  
Use standard firefighting procedures and consider the hazards of other involved materials.

**Specific hazards arising from the chemical**

During fire, gases hazardous to health may be formed.

**Explosion data**

No unusual fire or explosion hazards noted.

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Keep unnecessary personnel away. Keep people away from and upwind of spill. Keep out of low areas. Use personal protective equipment as required during clean up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.

**Environmental precautions**

**Environmental precautions** Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** This product is miscible in water. Large spills: stop the flow of material, if this is without risk. Dike the spilled material, where possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. Small spills: wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spilled material to original container.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on safe handling** Do not get in eyes, on skin, or on clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protection equipment. Avoid releases to the environment. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Store in original tightly closed container. Store away from incompatible materials. (see sec. 10)

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Occupational Exposure Guidelines** No exposure limits noted for ingredients.

**Appropriate engineering controls**

**Engineering Controls** Good general ventilation (generally 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product. It is recommended that users of this product perform a risk assessment to determine the appropriate PPE.

**Individual protection measures, such as personal protective equipment**

- Eye/face protection** Wear eye protection and face protection.
- Skin and body protection** Wear chemical resistant gloves.
- Respiratory protection** No special protective equipment is needed under normal use conditions.
- General Hygiene** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothes and protective equipment to remove contaminants.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

**Physical state** Liquid  
**Appearance** Clear  
**Color** Clear  
**Odor** No Odor  
**Odor threshold** No Information available

<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>
pH	2.0 – 3.0	
Specific Gravity	1.061	
Viscosity	Water Like	
Flash point	>200° F	
Boiling point / boiling range	Unknown	

<b>Evaporation rate</b>	No Information available
<b>Flammability (solid, gas)</b>	Non-Flammable
<b>Flammability Limits in Air</b>	
<b>Upper flammability limit:</b>	No Information available
<b>Lower flammability limit:</b>	No Information available
<b>Vapor pressure</b>	Unknown
<b>Vapor density, Air=1</b>	No Information available
<b>Water solubility</b>	Soluble
<b>Partition coefficient</b>	No Information available
<b>Autoignition temperature</b>	No Information available
<b>Decomposition temperature</b>	No Information available

**10. STABILITY AND REACTIVITY**

**Reactivity**

May react with oxidizing agents.

**Chemical stability**

Stable under normal conditions.

**Possibility of Hazardous Reactions**

Hazardous polymerization does not occur.

**Conditions to avoid**

Do not mix with other chemicals. Avoid contact with incompatible materials.

**Incompatible materials**

Incompatible with oxidizing agents.

**Hazardous Polymerization:**

Will not occur.

**Hazardous Decomposition Products**

Irritating and / or noxious fumes and gases may be emitted upon thermal decomposition.

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

**Product Information**

<b>Inhalation</b>	May cause irritation of the respiratory system. Prolonged inhalation may be harmful.
<b>Eye contact</b>	May cause serious eye irritation.
<b>Skin Contact</b>	May cause skin irritation.
<b>Ingestion</b>	Causes respiratory tract irritation.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sulfamic Acid	3160mg/kg (rat)	N/A	N/A

**Information on toxicological effects**

**Symptoms** May cause skin irritation. Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory tract irritation if swallowed.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Respiratory Sensitization** Not Available  
**Skin Sensitization** Not expected to cause skin sensitization.  
**Germ cell mutagenicity** No data available to indicate product is mutagenic or genotoxic.  
**Carcinogenicity** Not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA  
**Reproductive toxicity** Not expected to cause reproductive toxicity.  
**STOT - single exposure** Not classified  
**STOT - repeated exposure** Not classified  
**Chronic toxicity** None Noted.  
**Target organ effects** No data available  
**Aspiration hazard** No Information available.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity** Harmful to aquatic life with long lasting effects.

Chemical Name	Algae/aquatic plants	Fish	Microorganisms / Crustacea
Sulfamic Acid	N/A	LC50 70.3mg/kg, 96 hrs. (pimephales promelas)	N/A

**Persistence and degradability**  
 No Information available for product

**Bioaccumulation**  
 No Information available.

**Mobility in Soil**  
 No Information available.

**Other adverse effects** No other adverse effects expected.

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal Instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of in accordance with local/regional/national/international regulations.

**Hazardous Waste Code** Waste code should be assigned by discussion between the user, the producer and the waste disposal company.

**Waste from Residues/Unused Products** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see Disposal Instructions).

**Contaminated packaging**

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since empty containers may contain product residue, follow all label warnings even after container is emptied.

**14. TRANSPORT INFORMATION**

Note: DOT Classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the bill of lading with your shipment.

**DOT CLASSIFICATION**                      Not Hazardous

**15. REGULATORY INFORMATION**

**US Federal Regulations**

**U.S. Federal Regulations:**

**SARA 313 toxic chemical notification and release reporting:**  
Listed

Sec. 302 Emergency Planning Extremely Hazardous Substance Reportable Quantity:

Ethylene Oxide	CAS 75-21-8	10 lbs.
Propylene Oxide	CAS 75-56-9	100 lbs.

Sec. 304 Emergency Release Notification:

Ethylene Oxide	CAS 75-21-8	10 lbs.
Propylene Oxide	CAS 75-56-9	100 lbs.

**CERCLA**

Reportable Quantities of hazardous Substances:

Ethylene Oxide	CAS 75-21-8	10 lbs.
Propylene Oxide	CAS 75-56-9	100 lbs.

Clean Water Act (CWA) 307: No data available.

Clean Water Act (CWA) 311: No data available

Clean Air Act (CAA) 112 Regulated Toxic Substances: No products were found.

All Components of this product are listed or exempt from listing on TSCA Inventory.

TSCA 8(a) IUR: Not regulated.

United States Inventory (TSCA 8b): Not regulated.

**U.S California Safe Drinking Water & Toxic Enforcement Act (Proposition 65)**

1,4 Dioxane	CAS 123-91-1
Ethylene Oxide	CAS 75-21-8
Propylene Oxide	CAS 75-56-9

**WARNING: this product contains a chemical known to the State of California to cause birth defects or other reproductive harm:**

Ethylene Oxide	CAS 75-21-8
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US State Right to Know            Yes, Sulfamic acid.  
Regulations:

<b>16. OTHER INFORMATION</b>
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**NFPA:** 2,0,0

**HMIS:** 2,0,0,B

**REVISION NUMBER:**            180828  
**REVIEW BY:**                    Kristofer Mainar  
**GAR QMS SDS REFERENCE:**    A641 for original PMC SDS

THIS MATERIAL SAFETY DATA SHEET IS PREPARED IN COMPLIANCE WITH FEDERAL REGULATIONS (29 CFR 1910.1200) OF CHEMICALS AND THE GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING REVISION 7. ANY APPLICABLE STATE AND LOCAL REGULATIONS SHOULD BE CONSULTED. THE ABOVE INFORMATION MAY BE BASED IN PART ON INFORMATION PROVIDED BY COMPONENT SUPPLIERS AND IS BELIEVED TO BE CORRECT AS OF THE DATE HEREOF. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY USE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OF THESE DATA, THE RESULTS TO BE OBTAINED FROM THE USE OF THE MATERIAL, OR THE HAZARDS CONNECTED WITH SUCH USE. SINCE THE INFORMATION CONTAINED HEREIN MAY BE APPLIED UNDER CONDITIONS BEYOND OUR CONTROL AND WITH WHICH WE MAY BE UNFAMILIAR, AND SINCE DATA MADE AVAILABLE SUBSEQUENT TO THE DATE HEREOF MAY SUGGEST MODIFICATION OF THE INFORMATION, WE ASSUME NO RESPONSIBILITY FOR THE RESULT OF ITS USE. THIS INFORMATION AND MATERIAL IS FURNISHED ON THE CONDITION THAT THE PERSON RECEIVING IT SHALL MAKE HIS/HER OWN DETERMINATION AS TO THE SUITABILITY OF THE MATERIAL FOR HIS/HER PARTICULAR PURPOSE AND ON THE CONDITION THAT HE/SHE ASSUME THE RISK OF HIS/HER USE THEREOF