



Safety Data Sheet

Better Chemistry. Better Business

AQUAEASE® SUPER SONIC

Revised: 3/19/21

1 IDENTIFICATION

Product Name: AQUAEASE® SUPER SONIC

Product Code :2052064

Recommended use of the chemical and restrictions on use:Alkaline Liquid Cleaner

Hubbard-Hall Inc.

563 South Leonard Street
Waterbury, CT 06708

Telephone: 203-756-5521

Fax number: 203-756-9017

Emergency Phone Number

CHEMTREC: 1 (800) 424-9300

International: 1 (703) 527-3887

2 HAZARDS IDENTIFICATION



Signal Word: DANGER

- Hazard Category:** Acute Toxicity-Oral Hazard Category 4
Skin Corrosion/Irritation Hazard Category 1A
Corrosive to Metals Hazard Category 1
Eye Damage/Irritation Hazard Category 1
Acute Aquatic Toxicity-Category 3
Sensitization Respiratory Hazard Category 1B

- Hazard Statements:** Harmful if swallowed.
Causes severe skin burns and eye damage.
May be corrosive to metals.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause an allergic skin reaction.

- Prevention:** Do not eat, drink, or smoke when using this product.
Wash skin thoroughly after handling.
Wear protective gloves, chemical protective clothing, eye protective goggles and face shield for face protection.
Do not breathe dust, fumes, gas, mist, vapors or spray.
Keep only in original container.
Contaminated work clothing must not be allowed out of the workplace.
In case of inadequate ventilation wear respiratory protection.

Response: If swallowed: Rinse mouth. Do NOT induce vomiting.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

Wash contaminated clothing before reuse.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call poison center or doctor and explain the type of exposure to the chemical(s) and provide the name of the chemical(s).

Specific treatment - refer to poison center or doctor for advice.

Absorb spillage to prevent material damage.

If inhaled: Remove person to fresh air and keep comfortable for breathing.

If experiencing respiratory symptoms: Call a poison center/doctor/

If skin irritation or rash occurs, get medical advice/attention.

Storage: Store locked up.

Store in corrosive resistant high density polyethylene container.

Disposal: Dispose of contents/container in accordance with local, regional, national, or international regulations.

3 COMPOSITION INFORMATION

Chemical Name	Common Name And Synonyms	CAS No. and other Unique identifiers	Concentration %
Ethylenediamine	EDA	107-15-3	< 30%
Potassium Hydroxide	Potash	1310-58-3	Approx 2%
Monoethanolamine		141-43-5	<20%
Diethylene Glycol Butyl Ether	-	112-34-5	Approx 5%

4 FIRST AID

After Skin Contact:

If on skin immediately wash with plenty of water. Get medical attention.

After Eye Contact:

Do not allow victim to rub or keep eyes tightly shut. Gently lift eyelids and flush immediately and continuously with flooding amounts of water until transported to an emergency medical facility. Consult a physician immediately.

After Ingestion:

If swallowed: Rinse mouth. Do NOT induce vomiting.

Immediately call poison center or doctor and explain the type of exposure to the chemical(s) and provide the name of the chemical(s).

Call a physician or poison control center immediately. Do not induce vomiting. Immediately rinse mouth and drink plenty of water. If vomiting occurs, keep head low so that the stomach content doesn't get into the lungs. Never give anything by mouth to an unconscious person. Do not use mouth-to-mouth method if victim ingested the substance.

Most Important Symptoms/Effects

Inhalation:

Prolonged excessive exposure may cause adverse effects. Excessive exposure may cause irritation to the upper respiratory tract (nose and throat).

Eye:

May cause severe irritation with corneal injury which may result in permanent impairment of vision, even blindness. Chemical burns may occur. Vapor may cause eye irritation experienced as mild discomfort and redness.

Skin:

Brief contact may cause skin burns. Symptoms include pain, severe local redness and tissue damage. Classified as corrosive to skin according to DOT guidelines.

Delayed:

Severe eye and or skin irritation or burns.

Indication of immediate medical attention:

Severe eye and or skin irritation or burns.

5 FIRE FIGHTING MEASURES

Suitable and Unsuitable extinguishing media:	Will not burn or support combustion. Use extinguishing media appropriate for surrounding fire, such as water spray, dry chemical, foam or carbon dioxide.
Specific hazards arising from the chemical:	Heat and fire may result in the release of corrosive fumes.
Special protective equipment and precautions for firefighter	Wear chemical resistant protective equipment and self contained breathing apparatus (SCBA).

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, & Emergency Proc	Wear appropriate chemical protection equipment such as gloves, face-shield, goggles and suitable body protection to prevent contamination of skin, eyes and personal clothing.
Methods and Materials for containment & cleaning up:	Stop leak if possible without risk. If trained in accordance 29 CFR 1910.120, leaks should be stopped. Spills should be contained and cleaned immediately. Persons performing clean up work should wear adequate personal protective equipment and clothing. Spills and releases should be reported, if required, to the appropriate local, state and federal regulatory agencies.

7 HANDLING AND STORAGE

Precautions for safe handling:	Avoid breathing dust, fumes, gas, mist, vapors and sprays. Do not get in eyes, or on skin, or on clothing. Eating, drinking and smoking in the work area is prohibited. Use ventilation sufficient to keep personal exposure below the OSHA Permissible Exposure Limits (PEL) and or the ACGIH Threshold Limit Value (TLV) Time Weighted Average (TWA) exposure limits. Wash hands thoroughly after handling. Wear rubber protective gloves, chemical protective clothing, eye protective goggles and face shield for face protection. Speed of removing product from skin is of primary importance. Once in contact, wash off with water immediately.
Conditions for safe storage, inc any incompatibilities:	Keep container tightly closed. Store in cool dry place. Store locked up. Store away from incompatible materials. (See section 10). Store in corrosive resistant container.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Name	Std.	TWA-8hrs	STEL - 15 min.
Potassium Hydroxide	ACGIH	2 mg/m ³	
Ethylenediamine	ACGIH	10 ppm(Skin)	-
Monethanolamine	ACGIH	3 ppm	6 ppm
Diethylene Glycol Butyl Ether	ACGIH	10 ppm (Inhalable fraction and vapor)	-

ACGIH - American Control of Governmental Hygenists
 OSHA - Occupational Safety and Health Administration

Respiratory Protection: A respiratory protection program that meets OSHA 29 CFR 1910.134 and ANSI 788.2 or applicable federal requirements must be followed whenever work place conditions warrant respirator use. NIOSH's Respirator Decision Logic" may be useful in determining the suitability of various types of respirators.

Not required if proper ventilation controls are employed.

Special: N/A

Other Protective Equipment: Rubber aprons, safety shoes and similar protective clothing.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear amber liquid
Odor: Slight amine odor
PH: 12-13
Melting Point/Freezing Point: N/A
Initial Boiling Point and Boiling Range: N/A
Flash Point: None
Evaporation Rate: N/A
Flammability (solid, gas): Non flammable
Upper/Lower flammability or explosive limits: N/A
Vapor Pressure: N/A
Vapor Density: Unknown
Relative Density: N/A
Solubility (ies): Complete in water
Auto-ignition Temperature: N/A
Decomposition Temperature: N/A
Viscosity: N/A

10 STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions
Conditions to Avoid: Reacts violently with strong acids. This product may react with oxidizing agents. Do not mix with other chemicals. Corrosive to aluminum, tin, zinc, copper and most alloys in which they are present including brass and bronze. Corrosive to steels at elevated temperatures above 40 °C.
Hazardous Decomposition Products: not known

11 TOXICOLOGICAL INFORMATION

Oral Administration:	Potassium Hydroxide - Rat LD50 = 273 mg/kg.
Oral Administration:	Monoethanolamine-LD50-rat-1720 mg/kg
Oral Administration:	Diethylene Glycol Butyl Ether-LD50(rat)-3305 mg/kg
Oral Administration:	Ethylenediamine-LD50-(rat)-500 mg/kg
Inhalation:	Monoethanolamine-Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.
Inhalation:	Ethylenediamine-LC50(4 h)-(mouse)-0.3 mg/L
Dermal administration:	Potassium Hydroxide - Draize test, Rabbit Skin: 50 mg/ 24 hour -Severe
Dermal administration:	Monoethanolamine-LD50-Rabbit-1015 mg/kg
Dermal administration:	Diethylene Glycol Butyl Ether, LD50 (rabbit)-2764 mg/kg
Dermal administration:	Ethylenediamine-LD50(rabbit)-730 mg/kg
Irritation:	May cause irritation to skin and eyes.
Delayed effects:	Irritation / burns of skin and eyes.
Cancer Hazard:	Not known
Routes of Exposure	Eyes, Skin, Inhalation, Ingestion

12 ECOLOGICAL INFORMATION

Daphnia Magna,	Monoethanolamine-LC50-33-93 mg/L
Abiotic degradability:	No data available
Biotic degradability:	No data available
Bioaccumulation potential:	No data available
Water result:	Pronounced solubility and mobility
Soil/Sediment Result:	Pronounced solubility and mobility
Other adverse effects(such as hazardous to the ozone layer):	Not known

13 DISPOSAL CONSIDERATION

Dispose of in accordance with local, state and federal regulations.

14 TRANSPORT INFORMATION

UN Number:	3267
UN Proper Shipping Name:	CORROSIVE LIQUIDS, BASIC, ORGANIC, N.O.S.(ETHYLENEDIAMINE, MONOETHANOLAMINE),
Transport Hazard Class (es):	8
Packing Group:	II
ERG:	153
Marine Pollutant(Y/N):	N/A

15 REGULATORY INFORMATION

HMIS: Health: 1 Flammability: 0 Reactivity: 0

Cercla Potassium Hydroxide-RQ=1000 lbs

Sara Hazard Classification The chemicals in this product are not subject to SARA Title III , Section 313 Reporting Requirements.

Proposition 65 No Proposition 65 listed components in this formula

TSCA Inventory Status All components of this product are on the TSCA inventory or are exempt from TSCA inventory requirements .

16 OTHER INFORMATION

REACH status No **RoHS** or **REACH SVHC** are contained in this product.

Disclaimer: The information is based on our knowledge to date but does not constitute an assurance of product properties and does not imply a legal contractual relationship.

Date Prepared: 12/2/14