



Safety Data Sheet

Better Chemistry. Better Business

AQUAEASE 136 PLUS

Revised: 1/18/17

1 IDENTIFICATION

Product Name: AQUAEASE 136 PLUS

Product Code :2053076

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: Corrosive to Metals Hazard Category 1

Skin Corrosion/Irritation Hazard Category 1B

Eye Damage/Irritation Hazard Category 1

Specific Target Organ Toxicity (Single Exposure) Hazard Category 3

Hazard Statements: May be corrosive to metals.

Causes severe skin burns and eye damage.

May cause respiratory irritation.

Prevention: Keep only in original container.

Do not breath dusts or mists.

Wash skin thoroughly after handling.

Use only outdoors or in well ventilated area.

Wear protective gloves, chemical protective clothing, eye protective goggles and face shield for face 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 .

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

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 .

Wash contaminated clothing before reuse.

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 %
Sodium Metasilicate	Disodium Metasilicate	6834-92-0	~16%
Sodium Hydroxide	Caustic Soda	1310-73-2	~17%

4 FIRST AID

After Inhalation:

Move to fresh air. If breathing is difficult, give oxygen. If breathing stops, provide artificial respiration. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one way valve or other proper respiratory device. Call a physician or poison control center immediately.

After Skin Contact:

Take off immediately all contaminated clothing. Wash off IMMEDIATELY with plenty of water for at least 15-20 minutes. Get medical attention immediately! Wash clothing separately before reuse. Destroy or thoroughly clean all contaminated shoes.

After Eye Contact:

Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Call a physician or poison control center immediately.

After Ingestion:

If swallowed: Rinse mouth. Call a doctor.

Most Important Symptoms/Effects

Inhalation:

May cause irritation and inflammation in nose, throat and lungs.

Eye:

Severe eye and or skin irritation or burns.

Skin:

Causes severe skin burns

Ingestion:

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Indication of immediate medical attention:

Severe eye and or skin irritation or burns.

Indication of immediate medical attention:

Severe respiratory irritation.

5 FIRE FIGHTING MEASURES

Suitable and Unsuitable extinguishing media:	In case of fire: Use water, foam, chemical extinguisher or carbon dioxide.
Specific hazards arising from the chemical:	Sodium oxides, silicon oxides
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:	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:	Wear rubber protective gloves, chemical protective clothing, eye protective goggles and face shield for face protection.
Conditions for safe storage, inc any incompatibilities:	Store in well ventilated place. Keep container tightly closed.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Name	Std.	TWA-8hrs	STEL - 15 min.
Sodium Metasilicate	not established		

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

Ventilation:	Local exhaust is required to remove mist.
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.
Protective Gloves:	Rubber gloves
Eye Protection:	Wear chemical safety goggles with face shield.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear colorless liquid
Odor:	Mild odor
Odor Threshold:	N/A
PH:	12.8
Melting Point/Freezing Point:	N/A
Initial Boiling Point and Boiling Range:	N/A
Flash Point:	N/A
Evaporation Rate:	N/A

Flammability (solid, gas):	N/A
Upper/Lower flammability or explosive limits:	N/A
Vapor Pressure:	N/A
Vapor Density:	N/A
Relative Density:	1.31
Solubility (ies):	Complete in water
Partition Coefficient; n-octanol/water:	N/A
Auto-ignition Temperature:	N/A
Decomposition Temperature:	N/A
Viscosity:	N/A

10 STABILITY AND REACTIVITY

Possibility of Hazardous Reactions:	Low
Conditions to Avoid:	Extremely high temperatures
Incompatible Materials:	Strong acids, Lead, Tin/tin oxides, Zinc, Aluminum
Hazardous Decomposition Products:	not known

11 TOXICOLOGICAL INFORMATION

Oral Administration:	Sodium Metasilicate-(Rat-male and female) LD50-1152-1349 mg/kg
Oral Administration:	Caustic 50% solution: LD50, Rat-300-500 mg/kg
Dermal administration:	Caustic 50% solution-LD50 Rabbit->2 g/kg
Immediate effects:	Irritation or burns to skin, eyes and respiratory system
Long term exposure:	Burning sensation, Cough, wheezing, laryngitis, Shortness of breath, spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin.
Cancer Hazard:	Not listed by IARC, NTP, OSHA, ACGIH
Routes of Exposure	Eyes, Skin, Inhalation, Ingestion

12 ECOLOGICAL INFORMATION

Fish, <i>Lepomis macrochirus</i> ,	Caustic-99 mg/L, 48 hrs
Persistence and Degradability:	Not Available
Abiotic degradability:	No data available
Biotic degradability:	No data available
Bioaccumulation potential:	No data available
Water result:	Disperses in water.
Soil/Sediment Result:	Pronounced solubility and mobility

13 DISPOSAL CONSIDERATION

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

14 TRANSPORT INFORMATION

UN Number: 3266
UN Proper Shipping Name: CORROSIVE LIQUID,BASIC,INORGANIC,NOS(SODIUM METASILICATE,SODIUM HYDROXIDE)
Transport Hazard Class (es): 8
Packing Group: II
ERG: 154
Marine Pollutant(Y/N): N/A

15 REGULATORY INFORMATION

HMIS: Health: 3 Flammability: 0 Reactivity: 1

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Sara Hazard Classification SARA Title III Section 311 Categories: Immediate (Acute) Health Effects: Yes, Delayed (Chronic) Health Effects: No, Fire Hazard: No, Sudden Release of Pressure Hazard: No, Recativity Hazard: No

16 OTHER INFORMATION

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: 8/26/14