Safety Data Sheet

Better Chemistry. **Better Business**

AQUAEASE SL 170 **Revised:** 6/13/23

1 IDENTIFICATION

Product Name: AQUAEASE SL 170

Product Code :2052118

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 1B
Eye Damage/Irritation Hazard Category 1
Corrosive to Metals Hazard Category 1

Hazard Statements: Harmful if swallowed.
Causes severe skin burns and eye damage.
May be corrosive to metals.

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 breath dusts or mists.
Keep only in original container.

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.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
Absorb spillage to prevent material damage.

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 Silicate	-	1344-09-8	1-5%
Potassium Hydroxide	Potash	1310-58-3	15-20%
Nonylphenol, ethoxylated	-	127087-87-0	1-5%

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:

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

Eye:

Severe eye and or skin irritation or burns.

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:

Store locked up

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/m3	
Sodium Silicate	Not Established		
Nonylphenol, ethoxylated	not established		

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.

Use protection if misting of product is possible

Special:	N/A
Other Protective Equipment:	Rubber aprons, safety shoes and similar protective clothing.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Amber Liquid
Odor:	Ether-like odor
PH:	14
Melting Point/Freezing Point:	NA
Initial Boiling Point and Boiling Range:	NA
Flash Point:	NA
Evaporation Rate:	N/A
Flammability (solid, gas):	N/A
Upper/Lower flammability or explosive limits:	non-flammable
Vapor Pressure:	NA
Vapor Density:	Unknown
Relative Density:	1.21
Solubility (ies):	100%
Auto-ignition Temperature:	N/A
Decomposition Temperature:	NA
Viscosity:	NA

10 STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal conditions
Conditions to Avoid:	Contact with incompatible materials
Hazardous Decomposition Products:	not known

11 TOXICOLOGICAL INFORMATION

Oral Administration:	Potassium Hydroxide - Rat LD50 = 273 mg/kg.
Oral Administration:	Nonylphenol, ethoxylated-LD50(Rat)-3314 mg/kg
Dermal administration:	Potassium Hydroxide - Draize test, Rabbit Skin: 50 mg/ 24 hour -Severe
Dermal administration:	Nonylphenol, ethoxylated LD50(Rabbit)->3000 mg/kg
Irritation:	May cause irritation to skin and eyes.
Delayed effects:	Irritation / burns of skin and eyes.
Cancer Hazard:	Not listed by IARC, NTP, OSHA, ACGIH
Routes of Exposure	Eyes, Skin, Inhalation, Ingestion

12 ECOLOGICAL INFORMATION

Daphnia Magna,	Potash-EC50:60 mg/L 48 h
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:	3266
UN Proper Shipping Name:	CORROSIVE LIQUID,BASIC<INORGANIC,NOS(POTASSIUM HTDROXIDE,SODIUM SILICATE)
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

Cercla	Potassium Hydroxide-RQ=1000 lbs
Sara Hazard Classification	Nonyl Phenols- SARA 313 listed
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	4-Nonylphenol Ethoxylated- On REACH list
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:	11/12/14