Safety Data Sheet

Better Chemistry. **Better Business**

AQUASTRIP® 1200 **Revised:** 2/19/2021

1 IDENTIFICATION

Product Name: AQUASTRIP® 1200

Product Code :2572009

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
Toxic to Reproduction Hazard Category 2

Hazard Statements: Harmful if swallowed.
Causes severe skin burns and eye damage.
May be corrosive to metals.
Harmful to aquatic life
Suspected of damaging fertility or the unborn child.

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.
Avoid releases to the environment
Obtain special instruction before use.
Do not handle until all safety precautions have been read and understood.

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 exposed or concerned: 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 %
Potassium Hydroxide	Potash	1310-58-3	13-15%
Methyldiglycol	Diethylene Glycol Methyl ether	111-77-3	Approx 10%
Tetrahydrofurfuryl Alcohol	-	97-99-4	Approx 6%
Ethylene Glycol Phenylether	-	122-99-6	Approx 10%

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.

Inhalation:

Respiratory System Effects: Exposure to airborn material may cause irritation, redness of upper and lower airways, coughing, laryngeal spasm and edema, shortness of breath, bronchio-constriction, and possible pulmonary edema. Severe and permanent scarring may occur. Aspiration of this material may cause the same conditions.

Eye:

Serious Ege Damge:Eye exposure may cause eye lid burns, conjunctivitis, corneal edema, corneal burn, corneal perforation, damage to internal contents of the eye, permanent visual defects, and blindness and/or loss of the eye.

Skin:
Skin corrosion: Exposure to skin may cause redness, itching, irritation, swelling, burns (first, second, or third degree), liquefication of skin, and damage to underlying tissue(deep and painful wounds).

Ingestion:
Gastrointestinal System Effects:Exposure by ingestion may cause irritation, swelling, and perforation of the upper and lower gastrointestinal tissues. Permanent scarring may occur.

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/m3	
Diethylene Glycol Methyl Ether	Dow	30 ppm	-
Tetrahydrofurfuryl Alcohol	not established		
Ethylene Glycol Phenyl Ether	Dow	25 ppm (skin)	-

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 colorless liquid

Odor: Glycol Odor

PH: 11.5-12.5

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: 1.14-1.16

Solubility (ies): Complete in water

Auto-ignition Temperature: N/A

Decomposition Temperature: N/A

Viscosity: N/A

VOC Content ~13%

10 STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions

Conditions to Avoid: Contact with incompatible materials

Incompatible Materials: Avoid contact with strong oxidizers and strong acids.

Hazardous Decomposition Products: Contact with metal (aluminum, zinc, tin) and sodium tetrahydroborate liberates hydrogen gas.

11 TOXICOLOGICAL INFORMATION

Oral Administration:	Potassium Hydroxide - Rat LD50 = 273 mg/kg.
Oral Administration:	Diethylene Glycol methyl ether-LD50(Rat)->7000 mg/kg
Oral Administration:	Tetrahydrofurfuryl Alcohol-LD50(Rat)-1600 mg/kg
Oral Administration:	Ethylene Glycol Phenyl Ether-LD50(Rat)-1840 mg/kg
Dermal administration:	Potassium Hydroxide - Draize test, Rabbit Skin: 50 mg/ 24 hour -Severe
Dermal administration:	Tetrahydrofurfuryl Alcohol-LD50(guinea pig)-5 mg/kg
Dermal administration:	Ethylene Glycol Phenyl Ether-LD50(Rabbit)->2214 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
Reproductive Toxicity	In animals, diethylene glycol methyl ether is slightly toxic to the fetus at doses nontoxic to the mother following skin contact; birth defects have been seen only following high oral doses which have little relevance to human exposure.

12 ECOLOGICAL INFORMATION

Daphnia Magna,	Potash-EC50:60 mg/L 48 h
Daphnia Magna,	Diethylene Glycol Methyl ether-1192 mg/L
Daphnia Magna,	Ethylene Glycol Phenyl Ether->500 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:	1760
UN Proper Shipping Name:	CORROSIVE LIQUIDS, N.O.S. (POTASSIUM HYDROXIDE),
Transport Hazard Class (es):	8
Packing Group:	II
ERG:	154
Marine Pollutant(Y/N):	N/A

15 REGULATORY INFORMATION

HMIS: Health: 2 Flammability: 0 Reactivity: 0

Cercla	Potassium Hydroxide-RQ=1000 lbs
Sara Hazard Classification	Diethylene Glycol Methyl Ether-SARA 313 listed (Glycol Ether)
Sara Hazard Classification	Ethylene Glycol Phenyl Ether-SARA 313 listed (Glycol Ether)

Proposition 65	WARNING! This product contains a chemical known in the State of California to cause birth defects or other reproductive harm- Ethylene glycol monomethyl ether
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:	11/13/14