

**SECTION 1: IDENTIFICATION****1.1. Product Identifier** 380155 (PL)

Product Name: AQ-Solution

**1.2. Intended Use of the Product**

Use of the substance/mixture: Drain Product

**1.3. Manufacturer**

Beaver Research Company

3700 E. Kilgore Rd., Portage, MI 49002

Telephone: 800-544-0133

**1.4. Emergency Telephone Number**

Emergency Number : INFOTRAC (24 hrs) 1-352-323-3500 (International), 1-800-535-5053 (North America)

**SECTION 2: HAZARDS IDENTIFICATION****2.1. Classification of the Substance or Mixture****Classification**

Eye Dam. 1 H318

Aquatic Acute 3 H402

Full text of H-phrases: see section 16

**2.2. Label Elements****GHS-US Labeling****Hazard Pictograms****Signal Word**

: Danger

**Hazard Statements**

: H318 - Causes serious eye damage.

H402 - Harmful to aquatic life.

**Precautionary Statements**

: P273 - Avoid release to the environment.

P280 - Wear protective gloves, protective clothing, and eye protection.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call a poison center or doctor.

P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

**2.3. Other Hazards**

Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

**2.4. Unknown Acute Toxicity**

No data available

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Name	Product Identifier	%	Classification (GHS-US)
Proprietary*	Proprietary*	2.7-3.0**	Eye Dam. 1 H318 Aquatic Acute 3 H402

\*This product contains other ingredients; however, they are present below the reporting threshold as defined in the United States 29 CFR 1910.1200 (OSHA).

\*\*The specific chemical identity and/or exact percentage of composition have been withheld as a trade secret in accordance with Paragraph 1910.1200 of Title 29 of the Code of Federal Regulations.

Full text of H-phrases: see section 16

**SECTION 4: FIRST AID MEASURES****4.1. Description of First Aid Measures**

**First-aid Measures General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).

**Inhalation:** Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.

**Skin Contact:** Remove contaminated clothing. Drench affected area with water or soap and water for at least 15 minutes. Wash contaminated clothing before reuse. Obtain medical attention if irritation develops or persists.

**Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 60 minutes. Immediately call a POISON CENTER or doctor/physician.

**Ingestion:** Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor/physician.

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

**Symptoms/Injuries:** Causes serious eye damage.

**Inhalation:** May cause respiratory irritation.

**Skin Contact:** May cause skin irritation.

**Eye Contact:** Causes serious eye damage. Symptoms may include: Redness, pain, swelling, itching, burning, tearing, and blurred vision. Causes permanent damage to the cornea, iris, or conjunctiva.

**Ingestion:** Ingestion is likely to be harmful or have adverse effects.

**Chronic Symptoms:** None expected under normal conditions of use.

**4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed**

If you feel unwell, seek medical advice (show the label where possible).

**SECTION 5: FIRE-FIGHTING MEASURES****5.1. Extinguishing Media**

**Suitable Extinguishing Media:** Use extinguishing media appropriate for surrounding fire.

**Unsuitable Extinguishing Media:** Use of inappropriate extinguisher for surrounding fire.

**5.2. Special Hazards Arising From the Substance or Mixture**

**Fire Hazard:** Not considered flammable but may burn at high temperatures. Fire may produce irritating and/or toxic gases.

**Explosion Hazard:** Product is not explosive.

**Reactivity:** Hazardous reactions will not occur under normal conditions.

**5.3. Advice for Firefighters**

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1. Personal Precautions, Protective Equipment and Emergency Procedures**

**General Measures:** Avoid all contact with skin, eyes, or clothing. Avoid breathing (vapor, mist, spray).

**6.1.1. For Non-emergency Personnel**

**Protective Equipment:** Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

**6.1.2. For Emergency Responders**

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

**6.2. Environmental Precautions**

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

**6.3. Methods and Material for Containment and Cleaning Up**

**For Containment:** Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

**Methods for Cleaning Up:** Clean up spills immediately and dispose of waste safely. Spills should be contained with mechanical barriers. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

**SECTION 7: HANDLING AND STORAGE****7.1. Precautions for Safe Handling**

**Precautions for Safe Handling:** Avoid contact with skin, eyes and clothing. Avoid breathing (vapor, mist, spray).

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

**7.2. Conditions for Safe Storage, Including Any Incompatibilities**

**Storage Conditions:** Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

**Incompatible Products:** Strong acids. Strong bases. Strong oxidizers.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), or OSHA (PEL).

### 8.2. Exposure Controls

#### Appropriate Engineering Controls

: Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.

#### Personal Protective Equipment

: Protective goggles. Gloves. Protective clothing. Insufficient ventilation: wear respiratory protection.



#### Hand Protection

: Wear chemically resistant protective gloves.

#### Eye Protection

: Chemical safety goggles.

#### Skin and Body Protection

: Wear suitable protective clothing.

#### Respiratory Protection

: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Blue/ blue-green
Odor	: No data available
Odor Threshold	: No data available
pH	: 6.0 - 8.0
Evaporation Rate	: No data available
Melting Point	: No data available
Freezing Point	: No data available
Boiling Point	: No data available
Flash Point	: No data available
Auto-ignition Temperature	: No data available
Decomposition Temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor Pressure	: No data available
Relative Vapor Density at 20 °C	: No data available
Relative Density	: No data available
Solubility	: No data available
Partition Coefficient: N-Octanol/Water	: No data available
Viscosity	: No data available

### 9.2. Other Information

No additional information available

## SECTION 10: STABILITY AND REACTIVITY

**10.1. Reactivity:** Hazardous reactions will not occur under normal conditions.

**10.2. Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).

**10.3. Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.

**10.4. Conditions to Avoid:** Direct sunlight. Extremely high or low temperatures. Ignition sources. Incompatible materials.

**10.5. Incompatible Materials:** Strong acids. Strong bases. Strong oxidizers.

**10.6. Hazardous Decomposition Products:** Thermal decomposition generates : Carbon oxides (CO, CO<sub>2</sub>). Corrosive vapors.

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1. Information On Toxicological Effects****Acute Toxicity:** Not classified

<b>Proprietary</b>	
<b>LD50 Oral Rat</b>	1780 mg/kg
<b>ATE (Dust/Mist)</b>	1.50 mg/l/4h

**Skin Corrosion/Irritation:** Not classified**pH:** 5.5 - 8.5**Serious Eye Damage/Irritation:** Causes serious eye damage.**pH:** 5.5 - 8.5**Respiratory or Skin Sensitization:** Not classified**Germ Cell Mutagenicity:** Not classified**Carcinogenicity:** Not classified**Reproductive Toxicity:** Not classified**Specific Target Organ Toxicity (Single Exposure):** Not classified**Specific Target Organ Toxicity (Repeated Exposure):** Not classified**Aspiration Hazard:** Not classified**Inhalation:** May cause respiratory irritation.**Skin Contact:** May cause skin irritation.**Eye Contact:** Causes serious eye damage. Symptoms may include: Redness, pain, swelling, itching, burning, tearing, and blurred vision. Causes permanent damage to the cornea, iris, or conjunctiva.**Ingestion:** Ingestion is likely to be harmful or have adverse effects.**Chronic Symptoms:** None expected under normal conditions of use.**SECTION 12: ECOLOGICAL INFORMATION****12.1. Toxicity****Ecology - General** : Harmful to aquatic life.

<b>Proprietary</b>	
<b>LC50 Fish 1</b>	486 (Exposure time: 96h - Species: Lepomis macrochirus )
<b>EC50 Daphnia 1</b>	625 mg/l (Exposure time: 24 h - Species: Daphnia magna)
<b>ErC50 (algae)</b>	3 mg/l (exposure time: 96 h - Species: Green Algae)

**12.2. Persistence and Degradability** No additional information available**12.3. Bioaccumulative Potential**

<b>Proprietary</b>	
<b>Log Pow</b>	5.01 (calculated)

**12.4. Mobility in Soil** No additional information available**12.5. Other Adverse Effects****Other Information** : Avoid release to the environment.**SECTION 13: DISPOSAL CONSIDERATIONS****13.1. Waste treatment methods****Material:** Dilute product as 1 part product + 9 parts water. This dilution may be disposed of in the sewer. Do not release directly into the environment. If unable to dilute, dispose of waste material in accordance with all local, regional, national, and international regulations.**Packaging:** rinse three times with clear water. Plastic can be recycled, check local regulations for ability to recycle or dispose of in regular trash.**SECTION 14: TRANSPORT INFORMATION****14.1. In Accordance with DOT** Not regulated for transport**14.2. In Accordance with IMDG** Not regulated for transport**14.3. In Accordance with IATA** Not regulated for transport**SECTION 15: REGULATORY INFORMATION****15.1 US Federal Regulations****SARA Section 311/312 Hazard Classes** Immediate (acute) health hazard**15.2 US State Regulations**

No additional information available

**SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION**

**created :** 07/20/2015 According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
Template version 1.1

**Revised :** 08/01/2019

**GHS Full Text Phrases:**

Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 2	Hazardous to the aquatic environment - Acute Hazard Category 2
Aquatic Acute 3	Hazardous to the aquatic environment - Acute Hazard Category 3
Eye Dam. 1	Serious eye damage/eye irritation Category 1
H302	Harmful if swallowed
H318	Causes serious eye damage
H332	Harmful if inhaled
H401	Toxic to aquatic life
H402	Harmful to aquatic life

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*

**Other Information:**

: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.