1. PRODUCT AND COMPANY IDENTIFICATION

Manufacturer information:
AQUA-AID, Inc.
5484 S. Old Carriage Road
Rocky Mount, NC 27803

Chemical Name or Synonym: Non-ionic surfactant
Product Code: PBSL
C.A.S. Number: Proprietary

Emergency Phone: Chemtrec 800-424-9300 or 703-527-3887 (international)
For Product Information: 252-937-4107 or www.aquaaid.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

			Exposure Limits	
Component	CAS Reg. Number	Weight (%)	OSHA/PEL	ACGIH/TLV
Polyoxyalklene polymers	Proprietary *	100.0	Not established	Not established

* Trade secret as allowed by 29 CFR 1901.1200-48

No reportable quantities of toxic chemical(s) subject to the reporting requirements of Section 313 of SARA Title III and of 40 CFR 372 are present

3. HAZARD IDENTIFICATION

A. Emergency Overview:

Physical Appearance and Odor: Tan to hazy viscous liquid, slight odor.

Warning Statements: CAUTION: May cause irritation.

B. Potential Health Effects:

Primary Route of Entry: Routes of entry for liquids include eye and skin contact, inhalation and ingestion.

Effects of Overexposure:

Acute Eye: Slightly irritating. May cause excessive watering, redness, and/or irritation.

Acute Skin: Low acute dermal toxicity. Slightly irritating. May cause redness.

Acute Inhalation: Inhalation is not likely. Mists may cause upper respiratory tract irritation.

Acute Ingestion: Overexposure may cause gastrointestinal irritation, diarrhea, nausea, and vomiting.

Chronic Effects: This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

4. FIRST AID MEASURES

Eye Contact: DO NOT RUB EYES. Immediately flush eyes with large amounts of water for 15 minutes lifting the lower and upper lids. Seek medical attention if necessary.

Skin Contact: Remove contaminated clothing and immediately wash affected area with large amounts of water for at least 5 minutes. If irritation or redness persists, seek medical attention if necessary.

Inhalation: Move individual to fresh air and check to assure adequate respiration. Seek medical attention if necessary.

Ingestion: If victim is conscious and able to swallow, quickly give milk or water to dilute. Do not give sodium bicarbonate, vinegar, or fruit juices. Seek medical attention if necessary. Induce vomiting only upon advice from a physician.

5. FIRE FIGHTING MEASURES

Flash Point: > 93°C (200°F)
Method Used: Pensky-Martens Closed Cup
Flammability Limits (vol/vol%): ***Lower:*** Not established ***Upper:*** Not established
Extinguishing Media:

Recommended:

Small fires – dry chemical, carbon dioxide
Large fires – alcohol foam, universal foam, water spray

Not Recommended:

Water jet (frothing possible)

Protective Clothing: Wear positive-pressure self-contained breathing apparatus (SCBA) and protective firefighting clothing (includes firefighting helmet, coat, trousers, boots, and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance.

6. ACCIDENTAL RELEASE MEASURES

Clean-Up Procedures: Collect spilled material with an inert absorbent. When adsorbed, sweep up and shovel into a properly labeled and closed container. Dispose of collected material according to federal, state/provincial and local environmental regulations.

Spills and Leaks: Contain the spill or leak to prevent discharges to surface streams or storm sewers.

7. HANDLING AND STORAGE

Handling: Avoid breathing vapors and mists. Avoid direct or prolonged contact with skin and eyes. Provide adequate ventilation when accessing or working with open containers and tanks.

Storage: Store in tightly closed containers. Store in an area that is dry, well-ventilated, away from ignition sources, and away from incompatible materials (see Section 10. Stability and Reactivity).

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering controls: General mechanical ventilation can be expected to effectively remove and prevent buildup of any vapor or mist generated from handling this product in a closed environment.

Personal Protection:

Eyes: Wear safety glasses with side shields. Wear additional eye protection such as chemical goggles or face shield if splashing or spraying hazard exists. Have an eye wash station available.

Body: To prevent skin contact wear coveralls, apron, boots, or lab coat.

Hands: Avoid skin contact by using chemically resistant gloves.

Respiratory: No respiratory protection required under normal conditions of use. Use local exhaust to control excessive vapors/mists. If excessive vapors or mists are persistent, use appropriate NIOSH/MSHA approved organic vapor/mist respirator.

Other: Open wounds or skin surface disruptions should be covered with a chemical resistant patch to minimize absorption risks. Clean clothing should be worn daily to avoid possible long-term buildup of the product leading to chronic overexposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Appearance: Tan to hazy viscous liquid
Odor: Slight odor
pH: 6.5 - 7.5 (2.5% solution)
Specific Gravity: 1.04 g/ml @ 25°C
Water Solubility: Soluble
Melting Point Range: Not established
Freezing Point Range: < 0°C (32°F)
Boiling Point Range: > 150°C (302°F) at 760 mmHg
Vapor Pressure: Not established
Vapor Density: Not established

10. STABILITY AND REACTIVITY

Chemical Stability: This material is stable under normal handling and storage conditions described in Section 7.
Conditions to be Avoided: Heat, open flame and spark
Materials/Chemical to be Avoided: Strong bases, strong oxidizers, strong reducing agents
Hazardous Decomposition: Oxides of carbon (possible)
Decomposition Type: Thermal
Hazardous Polymerization: Will not occur
Avoid the Following to Inhibit Hazardous Polymerization: N/A

11. TOXICOLOGICAL INFORMATION

Acute Eye Irritation: Eye – eye irritation, rabbit – slightly irritating.
Acute Skin Irritation: Skin – skin irritation, rabbit – slightly irritating.
Acute Dermal Toxicity: No test data found for this product.
Acute Respiratory Irritation: No test data found for this product.
Acute Inhalation Toxicity: No test data found for this product.
Acute Oral Toxicity: LD50 = 5500 mg/kg – rat.
Chronic Toxicity: No components > 0.1% are listed by OSHA, NTP, IARC or ACGIH to be probable or suspected human carcinogens.

12. ECOLOGICAL INFORMATION

Ecotoxicity Information: No data available
Environmental Fate Information: No data available
Chemical/Physical Information: No data available

13. DISPOSAL CONSIDERATIONS

EPA Waste Number: Non-hazardous waste
Treatment: Dispose of according to all federal, state/provincial and local environmental regulations.

14. TRANSPORT INFORMATION

D.O.T. Classification: Not regulated
IMO/IMDG Classification: Not regulated
IATA Classification: Not regulated

15. REGULATORY INFORMATION

Inventory Status:

Inventory	Status
UNITED STATES (TSCA)	Y
CANADA (DSL)	Y
EUROPE (EINECS/ELINCS)	P
AUSTRALIA (AICS)	Y
JAPAN (MITI)	Y
SOUTH KOREA (KECL)	Y

Y: All ingredients are on the inventory.
E: All ingredients are on the inventory or exempt from listing.
P: One or more ingredients fall under the polymer exemption or are on the no longer polymer list. All other ingredients are on the inventory or exempt from listing.
N: Not determined or one or more ingredients are not on the inventory and are not exempt from listing.

FEDERAL REGULATIONS:
Inventory Issues: All functional components of this product are listed on the TSCA inventory.
SARA Title III Hazard Classes:

Fire Hazard	NO
Reactive Hazard	NO
Release of Pressure	NO
Acute Health Hazard	NO
Chronic Health Hazard	NO

Other Federal Regulations:

FDA Status:	N/A
FIFRA Status:	N/A

16. OTHER INFORMATION

National Fire Protection Association Hazard Ratings – NFPA(R):

1 Health Hazard Rating -- Slight
1 Flammability Rating – Slight
0 Reactivity Rating – Minimal
B Personal Protection

National Paint and Coating Hazardous Materials Identification System - HMIS(R):

1 Health Hazard Rating -- Slight
1 Flammability Rating – Slight
0 Reactivity Rating – Minimal

Reason for Revisions: Regulatory review and update. This MSDS replaces June 1, 2007, MSDS.

Key Legend Information

ACGIH	American Conference of Governmental Industrial Hygienists
OSHA	Occupational Safety and Health Administration
TLV	Threshold Limit Value
PEL	Permissible Exposure Limit
TWA	Time Weighted Average
STEL	Short-Term Exposure Limit
NTP	National Toxicology Program
IARC	International Agency for Research on Cancer
ND	Not determined

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