

4232

Other means of identification
SDS #

ASA1-0011BBD

Safety Data Sheet

Revision Date: 30-Oct-2015

Version 1

Issue Date: 20-Oct-2015

1. IDENTIFICATION

Product Identifier
Product Name

Aqua Clean BBD

AQS-011BBD

Recommended use of the chemical and restrictions on use A higher concentrated detergent used in the washing cycle of ware washing systems in dish machines. Uses approximately 3 - 6 ml to reach proper cleaning ph levels of 10.5 compared to ordinary detergents which use 6 - 9 ml. Not intended for hand washing.

Details of the supplier of the safety data sheet

Supplier Address Aqua Systems,
Inc.

P.O. Box. 397

Arroyo Grande, CA 93420 Ph: 805-489-9250

Emergency Telephone Number

Emergency Telephone (24 hr)

INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Physical State Liquid

Appearance Light red liquid

Classification

Skin corrosion/irritation

Category 1 Sub-category B

Serious eye damage/eye irritation

Category 1

Signal Word

Danger

Hazard Statements

Causes severe skin burns and eye damage

**Precautionary Statements - Prevention**

Do not breathe dust/fume/gas/mist/vapors/spray

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

Immediately call a poison center or doctor/physician

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Immediately call a poison center or doctor/physician

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower Wash contaminated clothing before reuse

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Immediately call a poison center or doctor/physician

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Please also refer to subsequent sections of this SDS for additional information regarding the components of this product.

Chemical Name	CAS No	Weight-%
Sodium Hydroxide	95077-05-7	Proprietary

Potassium Hydroxide	1310-58-3	Proprietary
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If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First Aid Measures

General Advice	Provide this SDS to medical personnel for treatment.
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention immediately.
Skin Contact	Remove contaminated clothing. Wash off immediately with plenty of water. Get medical attention if irritation develops or persists.
Inhalation	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention immediately.
Ingestion	Do not induce vomiting. Rinse mouth. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Immediately call a poison center or doctor/physician.

Most important symptoms and effects

Symptoms	Burning and/or irritation to eyes and skin. Ingestion may cause severe burns to mouth, throat or stomach. May cause eye burns and permanent eye damage. May cause irritation to the mucous membranes and upper respiratory tract.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically.
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5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Carbon dioxide (CO2). Dry chemical. Water.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical Product is not flammable.

Hazardous Combustion Products May emit toxic or corrosive fumes under fire conditions.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equ
procedures****Personal Precautions**

Use personal protection recommended in Section 8.

Environmental Precautions

Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13: DISPOSAL CONSIDERATIONS.

**Methods and material for containmen
up****Methods for Containment**

Prevent further leakage or spillage if safe to do so. Soak up and contain spill with an absorbent material.

Methods for Clean-Up

Collect and reuse if possible. Sweep up absorbed material and shovel into suitable containers for disposal. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations.

7. HANDLING AND STORAGE**Precautions for safe handling****Advice on Safe Handling**

Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing. Wash face, hands, and any exposed skin thoroughly after handling. Keep containers closed when not in use. Surfaces subject to spills of this product can become slippery. Do not breathe vapors or spray mist. Do not eat or drink while handling this material.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed and store in a cool, dry and well-ventilated place. Keep out of the reach of children. Store locked up.

Incompatible Materials

Strong oxidizing agents. Acids. Alkalis. Ammonia.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Exposure Guidelines**

No exposure limits noted for ingredient(s). The following information is given as general guidance

Appropriate engineering controls**Engineering Controls**

Ensure adequate ventilation, especially in confined areas. Maintain eye wash fountain and quick-drench facilities in work area.

Individual protection measures, such as personal protective equipment**Eye/Face Protection**

Wear safety glasses with side shields (or goggles).

Skin and Body Protection

Chemical resistant gloves recommended.

Respiratory Protection

No protection is ordinarily required under normal conditions of use and with adequate ventilation. Wear an appropriate NIOSH/MSHA approved respirator if ventilation is inadequate. Refer to 29 CFR 1910.134 for respiratory protection requirements.

General Hygiene Considerations Avoid contact with skin, eyes and clothing. After handling this product, wash hands before eating, drinking, or smoking. If contact occurs, remove contaminated clothing. If needed, take first aid action shown on section 4 of this SDS. Launder contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties****Physical State**

Liquid

Appearance

Light red liquid

Odor

Not determined

Color

Light red

Odor Threshold

Not determined

Property**Values****Remarks • Method****pH**

13.5 +/- 0.5

Melting Point/Freezing Point

Not determined

Boiling Point/Boiling Range

100-103.33 °C / 212-218 °F

Flash Point

Not determined

Evaporation Rate

> 1.0

(Water = 1)

Flammability (Solid, Gas)

Liquid-Not applicable

Upper Flammability Limits

Not determined

Lower Flammability Limit

Not determined

Vapor Pressure

> 1.0

(Air=1)

Vapor Density

Water based

(Air=1)

Specific Gravity

1.11

Water Solubility	Completely soluble
Solubility in other solvents	Not determined
Partition Coefficient	Not determined
Auto-ignition Temperature	Not determined
Decomposition Temperature	Not determined
Kinematic Viscosity	Not determined
Dynamic Viscosity	25 CPS @ 68 °F
Explosive Properties	Not determined
Oxidizing Properties	Not determined

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.

Conditions to Avoid Keep out of reach of children.

Incompatible Materials

Strong oxidizing agents. Acids. Alkalis. Ammonia.

Hazardous Decomposition Products Chlorine gas.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Causes severe eye damage.

Eye Contact

Causes severe skin burns.

Skin Contact

Inhalation

Avoid breathing vapors or mists. May cause irritation to the respiratory tract. burns to mouth, throat and stomach.

Ingestion

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium xylenesulfonate 130072-7	= 1000 mg/kg (Rat)	-	-
Potassium Hydroxide 1310-58-3	= 1000 mg/kg (Rat)		

Information on physical, chemical and toxicological effects**Symptoms**

Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure Carcinogenicity Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical measures of toxicity

Not determined

12. ECOLOGICAL INFORMATION**Ecotoxicity**

e excluded in the event of unprofessional handling or disposal.

Persistence/Degradability Not determined.

Bioaccumulation Not determined.

Mobility

Not determined

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS**Waste Treatment Methods****Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

Note

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

Please contact manufacturer for most current information

IATA

Please contact manufacturer for most current information

IMDG

Please contact manufacturer for most current information

15. REGULATORY INFORMATION**US Federal Regulations****SARA 313**

Not determined

US State Regulations**U.S. State Right-to-Know Regulations** Not determined**16. OTHER INFORMATION****NFPA****Health Hazards**

3

Flammability

0

Instability 1

Special Hazards Not
determined

HMIS**Health Hazards**

3

Flammability

0

Physical Hazards

1

Personal Protection
Not determined

Issue Date:

20-Oct-2015

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30-Oct-2015

Revision Note:

New format

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet