

Issue Date: 29-Jul-2015

Review Date: 03-Mar-2021

Version

1. IDENTIFICATION

Product Identifier
Product Name **AQUEOUS PARTS WASHER EB**
Other means of identification
SDS #

 ITEM # H-7315-05
 H-7315-14
 H-3715-55

Recommended use of the chemical and restrictions on use
Recommended Use Cleaner/Degreaser

Details of the supplier of the safety data sheet
Supplier Address
 Ashburn Chemical Technologies
 7403 Wright Rd
 Houston, TX 77041

Emergency Telephone Number
Company Phone Number 832-399-1000
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
 1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Clear, Green

Physical State Liquid

Odor Mild

Classification

Skin corrosion /irritation	Category 1
Serious eye damage/eye irritation	Category 1

Signal Word
DANGER
Hazard Statements

 Causes severe skin burns and eye damage
 Causes serious 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 /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.

Other Hazards

Harmful to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Sodium metasilicate	6834-92-0	1-10
Potassium Hydroxide	1310-58-3	1-3
EDTA, tetrasodium salt	64-02-8	1-3
Proprietary surfactant mixture	proprietary	1-10

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	If you feel unwell, seek medical advice. Show the label where possible. Show this safety data sheet to the doctor / medical personnel for treatment
Eye Contact	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
Skin Contact	Wash contact areas with soap and water. Remove contaminated clothing and launder before reuse. If skin irritation persists, call a physician.
Inhalation	Remove from further exposure. Use adequate respiratory protection. Seek immediate medical assistance.
Ingestion	Rinse mouth. Do not induce vomiting without medical advice. Seek immediate medical attention/advice.

Most important symptoms and effects

Symptoms	Severe eye damage, skin burns, digestive tract burns. Upper respiratory tract irritation. Mucous membrane irritation See SECTION 11 for more information.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat as a corrosive substance
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.

Unsuitable Extinguishing Media None-known.

Specific Hazards Arising from the Chemical

Thermal decomposition may produce toxic fumes of phosphorus.

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

Avoid contact with skin or eyes.
Avoid breathing dust/fume/gas/mist/vapors/spray
See SECTION 8 for Personal Protective Equipment

Environmental Precautions

Prevent entry into waterways, rivers, lakes, drains, surface water, or ground water.
Prevent further leakage or spillage if safe to do so.
See SECTION 12 for Ecological Information.

Methods for Clean-Up

Absorb or cover with dry earth, sand or other non-combustible material.
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.
See SECTION 13 for Waste Disposal.

7. HANDLING AND STORAGE

Advice on Safe Handling

Do not handle until all safety precautions have been read and understood.
Handle in accordance with good industrial hygiene and safety practice.
Avoid breathing fumes, vapors, mists, spray.
Wash face, hands, and any exposed skin thoroughly after handling.
Contaminated work clothing should not be allowed out of the workplace.
See SECTION 2 for Precaution Statements.
See SECTION 8 for Personal Protection.

Storage Conditions

Keep container tightly closed and store in a cool, dry and well-ventilated place.
Do not store in open or unlabeled containers. Storage temperature below 40° F. Store locked up.

Incompatible Materials

Strong acids, strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Component Information

Chemical Name	ACGIH TLV (TWA)	OSHA PEL (TWA)	NIOSH
Potassium Hydroxide 1310-58-3	Ceiling: 2 mg/m ³	(vacated) ceiling 2 mg/m ³	Ceiling 2 mg/m ³
Sodium metasilicate 6834-92-0	2 mg/m ³ TWA: 8 hr	2 mg/m ³	-

Legend:

ACGIH: American Conference of Governmental Industrial Hygienists
OSHA: Occupational Safety and Health Administration
NIOSH: National Institute for Occupational Safety and Health

TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
TWA: Time weighted average

Appropriate Engineering Controls Adequate ventilation. Maintain eye wash fountain and quick-drench facilities in work area.

Individual protection measures, such as personal protective equipment

Eye/Face Protection	Safety glasses and face shield are recommended.
Skin and Body Protection	Nitrile rubber gloves / Chemical resistant or water resistant gloves Personal protective clothing must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Respiratory Protection	Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation wear respiratory protection
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 and launder before reuse. See SECTION 4 for First-Aid Measure

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid	Odor	Mild
Appearance	Clear	Odor Threshold	Not determined
Color	Green		
<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>	
pH	12.5-13.0		
Melting Point/Freezing Point	Not determined		
Boiling Point/Boiling Range	> 100 °C / 212 °F		
Flash Point	Not flammable		
Evaporation Rate	< 1.0	(butyl acetate = 1)	
Flammability (Solid, Gas)	Not determined		
Upper Flammability Limits	Not determined		
Lower Flammability Limit	Not determined		
Vapor Pressure	Not determined	@68° F(20°C)	
Vapor Density	Not determined	(Air=1)	
Specific Gravity	1.11-1.12	(1=Water)	
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	Not determined		
Explosive Properties	Not determined		
Oxidizing Properties	Not determined		
VOC Content (%)	Not determined		

10. STABILITY AND REACTIVITY

Reactivity	Reacts violently with strong alkaline substances. May react with reducing agents.
Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	None under normal processing.
Conditions to Avoid	Incompatible Materials.
Incompatible Materials	Strong acids, strong oxidizing agents

Hazardous Decomposition Products

Thermal decomposition and combustion are not expected to occur except under extreme conditions. See SECTION 5 in the event of fire.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye Contact	Causes severe eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.
Skin Contact	Corrosive to skin. Prolonged contact may cause severe burns
Inhalation	May cause irritation to upper respiratory system.
Ingestion	Harmful if swallowed. May cause digestive tract burns.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Acute Effects	Exposure to alkaline solutions may result in irritation to any contact tissue, including possible burns, depending on the concentration, duration, and nature of the exposure
Chronic Effects	None-known

Information on physical, chemical and toxicological effects

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Potassium Hydroxide 1310-58-3	333 mg/kg (Rat)	-	-
Sodium metasilicate 6834-92-0	= 600 mg/kg (Rat)	-	-
Tetrasodium EDTA 64-02-8	= 10 g/kg (Rat)	-	-

Information on physical, chemical, and toxicological effects

Carcinogenicity	No data available
Reproductive Toxicity	No data available
STOT- repeated/single exposure	No data available (for both single and repeated exposure)
Additional Information	No data available.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Harmful to aquatic life with long lasting effects.
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Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Tetrasodium EDTA 64-02-8	1.01: 72 h Desmodesmus subspicatus mg/L EC50	41: 96 h Lepomis macrochirus mg/L LC50 static 59.8: 96 h Pimephales promelas mg/L LC50 static		610: 24 h Daphnia magna mg/L EC50

Persistence/Degradability	No data available.
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Bioaccumulation	No data available
Mobility	Potassium Hydroxide CAS 1310-58-3 log POW: 0.83
Other Adverse Effects	Not determined

13. DISPOSAL CONSIDERATIONS

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

UN/ID No	UN1760
Proper Shipping Name	Corrosive liquid, n.o.s.
Hazard Class	8
Packing Group	II

IATA

UN/ID No	UN1760
Proper Shipping Name	Cleaning liquid, Corrosive, n.o.s
Hazard Class	8
Packing Group	II

IMDG

UN/ID No	UN1760
Proper Shipping Name	Cleaning liquid, corrosive, n.o.s
Hazard Class	8
Packing Group	II

Corrosive li

15. REGULATORY INFORMATION

International Inventories The component(s) of this product comply with the inventory requirement administered by the governing countries

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Potassium Hydroxide	x	x		x	-	x	x	x	x	x
Tetrasodium EDTA	Present	X		Present		Present	X	Present	X	X

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations**CERCLA**

This material contains a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 255)

Component	Hazardous Substances RQs	CERCLA EHS RQs
Potassium hydroxide	1000 lb	-

SARA 311/312 Hazardous Chemical

Sodium Metasilicate CAS 6834-92-0	Acute Health Hazard	
Potassium hydroxide CAS 1310-58-3	Acute Health Hazard	Chronic Health Hazard
Tetrasodium EDTA CAS 64-02-8	Acute Health Hazard	Chronic Health Hazard

SARA 313

This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Clean Water Act

Component	CWA - Hazardous Substances	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants
Potassium hydroxide	X	1000 lb	-	-

US State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

Component	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Potassium hydroxide	X	X	X	-	X
Tetrasodium EDTA	X	X	X		

16. OTHER INFORMATION**NFPA****Health Hazards**

2

Flammability

0

Instability

0

Special Hazards

Not determined

HMIS**Health Hazards**

2

Flammability

0

Physical Hazards

0

Personal Protection

Not determined

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29-Jul-2015

Revision Date:

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