

Safety Data Sheet



Aquacide 1920

Section 1 - Chemical Product and Company Identification

Aqua Science, Inc.
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Phone Number: 614-252-5000
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DATE PREPARED:June 1, 2015
DATE REVISED:.....NA
CHEMTREC PHONE#:.....1-800-424-9300

PRODUCT NAME: Aquacide 1920
PRODUCT NUMBER:..... 0301700
CHEMICAL FAMILY: Biocide
CHEMICAL FORMULA: Mixture
UN NUMBER: UN1760

Section 2 – Hazard Identification

Signal Word: **Danger**

GHS Pictogram(s)



Hazard Statement: H303 H333: May be harmful if swallowed or if inhaled H319: Causes serious eye irritation H315: Causes skin irritation H401: Toxic to aquatic life

Precautionary Statement P280: Wear protective gloves/protective clothing/eye protection/face protection
P220: Keep/Store away from clothing/.../combustible materials P273: Avoid release to the environment P102: Keep out of reach of children

GHS Health Classification: Eye Irritation (2A) Skin Irritation (2)

GHS Physical Classification: Substances Corrosive to Metal (1)

GHS Environmental Class:..... Unknown aquatic toxicity levels. No data available.

Health	3
Flammability	0
Reactivity	0
Personal Protection	D

Primary Entry Routes: Skin and eye contact.

ACUTE EFFECTS:

Inhalation: May cause severe irritation of the respiratory tract. Nasal, mucous and bronchial tissue may be burned or permanently damaged.

Eye: Causes painful instantaneous irritation of eyes and eyelids. May cause eye ulceration and perforation. Permanent eye damage may occur.

Skin: Prolonged dermal contact may produce itching, dry skin, or possible mild irritation.

Ingestion:..... Causes irritation of the mouth, throat and digestive tract. Stomach and abdominal pain. Possible nausea and vomiting.

Carcinogenicity: This product contains no known or suspected carcinogens.

Chronic Effects: None Known

Section 3 – Composition Information on Ingredients

HAZARDOUS INGREDIENT	PERCENT	CAS NUMBER
Bromide salts	NA	NA
Sodium hydroxide	1-3	1310-73-2

Section 4 - First Aid Measures

Inhalation: Remove subject to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Keep subject warm and at rest. Get immediate medical attention.

Eye Contact:..... Flush eyes with water for at least 15 minutes holding eyelids wide open. Get immediate medical attention.

Skin Contact:..... Flush exposed areas with water for 15 minutes. Remove exposed clothing and wash well before reuse. Get medical attention if irritation develops and persists.

Ingestion:..... Do not induce vomiting. If subject is conscious, give large amounts of water. Never give anything by mouth to an unconscious person. Immediate emergency attention is required.

Section 5 – Fire-Fighting Measures

Flash Point (F): None

Extinguishing Media: Water fog or spray, foam, dry powder, carbon dioxide (CO₂).

Unusual Fire/Explosion Hazard: If contact with other chemicals or electrical services occurs during a fire, hazardous gases may be produced.

Fire Fighting Instructions:..... If possible remove container from fire area. Apply cooling water to container side. Do not release run off from fire control to the sewer or waterway.

Fire Fighting Equipment: Self-contained breathing apparatus with full face piece.

Section 6 – Accidental Release Measures

Spills and Releases: Remove all ignition sources. Contain spill and ventilate the area. Dilute spill with water and then dehalogenate with sodium metabisulfite or sodium sulfite. Absorb spill with inert material and collect into suitable containers for disposal.

Regulatory Requirements:..... Follow All OSHA Regulations and Standards (29 CFR 1910.120)

Section 7 – Handling and Storage

Handling Precautions: Wear hand and foot protection when moving heavy drums. Protect containers against physical damage.

Storage Requirements:..... Store in a cool, dark well-ventilated area away from direct sunlight and other sources of radiant heat. Keep containers tightly closed when not in use.

Regulatory Requirements:..... Follow All OSHA Regulations and Standards (29 CFR 1910.120)

Section 8 – Exposure Controls / Personal Protection

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH-TLV
Bromide salts	NA	NA
Sodium hydroxide	2 mg/m ³	2 mg/m ³

Ventilation:..... Use in well-ventilated area with local exhaust.

Respiratory Protection: Not required for ordinary use. During emergency conditions or if a spill occurs, an appropriate OSHA approved air purifying respirator should be worn.

Protective Clothing/Equipment :Safety goggles and a face shield, non-slip vinyl or rubber gloves, protective footwear and an apron should be worn when handling drums.

Safety Stations:..... Safety showers and eyewash stations should be available in work areas.

Contaminated Equipment: Wash all contaminated equipment and clothing before reuse.

Comments:.....Never eat, drink or smoke in work areas.

Section 9 – Physical and Chemical Properties

Physical State: Liquid	Water Solubility:Complete
Appearance & Odor: Golden colored liquid with slight halogen odor	Boiling Point:No data available
Vapor Pressure No data available	Freezing Point:No data available
Vapor Density (Air=1): No data available	% Volatile:No data available
Density (lbs/gal): 11.6363	Evaporation Rate:No data available
Specific Gravity:1.47-1.50	pH:> 13

Section 10 – Stability and Reactivity

Stability: Stable under normal conditions.

Polymerization:..... Hazardous polymerization will not occur.

Chemical Incompatibilities: Strong acids (such as sulfuric, phosphoric, nitric, hydrochloric, chromic, sulfamic), strong oxidizers (such as peroxides, chromates, perchlorates), metals (such as copper, iron).

Conditions to Avoid:..... None known

Section 11- Toxicological Information

Irritation: Eyes and skin. Inhalation and ingestion.
Acute Effects:..... Irritating to all body tissues with which it comes in contact.
Chronic Effects: None Known
Carcinogenicity: This product contains no known or suspected carcinogens.
Acute Inhalation Effects: May cause severe irritation of the respiratory tract. Nasal, mucous and bronchial tissue may be burned or permanently damaged.
Lethal Dosage (LD50).....LD50 (oral-rat) = 100 mg/kg for pure sodium hydroxide.
 LD50 (oral-rat) = unknown for bromide salts.

Section 12 – Ecological Information

Ecotoxicity: No data available
Environmental Fate:..... No data available

Section 13 – Disposal Considerations

Disposal:..... Consult Federal, State and Local regulations pertaining to waste disposal.
Container Cleaning/Disposal ... Triple rinse empty containers before offering for disposal or salvage. Never reuse empty chemical containers.

Section 14 - Transportation Information

DOT Transportation Data

Shipping Name:..... Corrosive liquid, n.o.s.
Contains :..... (bromide salts)
Hazard Class8
ID No. / UN Code: UN1760
Packaging Group.....III
Label:..... Corrosive
Reportable Quantity: 33,000 lbs.
Emergency Response Guide #: 154

Section 15 – Regulatory Information

EPA Regulations

RCRA Hazardous Waste Number:..... D002 - corrosive waste
RCRA Hazardous Waste Classification: Acute, Vapors or liquid may be irritating to skin, eyes, or mucous membranes.
CERCLA Hazardous Substance:..... Sodium hydroxide is listed as a CERCLA hazardous substance by the EPA.
CERCLA Reportable Quantity (RQ): 33,000 lbs.
SARA 311/312:..... Immediate (acute) health hazard.
SARA Toxic Chemical:..... Sodium hydroxide, bromine salts.

Aquacide 1920

SARA EHS	No components of this product are listed as an Extremely Hazardous Substance.
TSCA	All components of this product are listed on the United States Toxic Substances Control Act (TSCA) Inventory.
FIFRA Labeling Requirements:	<p>This product is a registered pesticide under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA). The EPA registration number for Aquacide 1920 is 63838-3-12479. As a registered pesticide, this product is subject to certain labeling requirements. These requirements differ from the hazard information required for safety data sheets and for workplace labels of non-pesticide chemicals. Pesticide labels require both hazard information and directions for use. The hazard information is shown below:</p> <ul style="list-style-type: none">- FIFRA Signal Word - DANGER- Corrosive- Causes eye damage and skin irritation- Harmful if swallowed- Irritating to nose and throat- This product is toxic to fish and aquatic organisms- This product may combine with various metals to form flammable mixtures.- Mix only into water- Contamination may start a chemical reaction with generation of heat and liberation of hazardous gases leading to possible fire and explosion- Do not contaminate with garbage, dirt, organic matter, household products, chemicals, soap products, paint products, solvents, acids, oils, dirty rags or any other foreign matter

OSHA Regulations

Air Contaminant :	Not considered hazardous under The Clean Air Act.
OSHA Criteria:	Not applicable.

Section 16 – Other Information

Disclaimer	THIS PRODUCT'S HEALTH AND SAFETY INFORMATION IS PROVIDED TO ASSIST OUR CUSTOMERS IN ASSESSING COMPLIANCE WITH HEALTH, SAFETY AND ENVIRONMENTAL REGULATIONS. THE INFORMATION CONTAINED HEREIN IS BASED ON DATA AVAILABLE TO US, AND IS BELIEVED TO BE ACCURATE.
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