

**MATERIAL
SAFETY
DATA
SHEET**

NFPA Designation 704

DEGREE OF HAZARD
4 = EXTREME
3 = HIGH
2 = MODERATE
1 = SLIGHT
0 = INSIGNIFICANT

FLAMMABILITY	0
HEALTH	2
REACTIVITY	0
SPECIAL	COR

FORMULA 4114

SECTION 1: IDENTIFICATION

**Aqualine Water Treatment Products Inc.
2371 Farrington Point Drive
Winston-Salem, NC 27107**

**Emergency Telephone
Chemtel: 800-255-3924**

Rev.: 07/2008

SECTION 2: COMPOSITION/ INFORMATION ON INGREDIENTS

Our hazard evaluation has identified the following chemical ingredient (s) as hazardous under OSHA's Hazard Communication Rule, 29 CFR 1910.1200. Consult Section 15 for the nature of the hazard.

<u>Ingredients</u>	<u>CAS #</u>	<u>Approx. %</u>
Sodium hydroxide	1310-73-2	<5%
Alkaline bromide salts	N/A	N/A

SECTION 3: HAZARD IDENTIFICATION

Potential Health Effects:

Emergency Overview:

WARNING:

Causes irritation to skin and eyes. Do not get in eyes, on skin, or on clothing. Do not take internally. Keep container closed when not in use. Keep container away from heat and sunlight.

Empty Containers:

May contain residual product. Do not reuse container unless properly reconditioned.

Primary Route (s) of Exposure:

Eye, Skin

Eye Contact:

Can cause mild, short lasting irritation.

Skin Contact:

Can cause mild, short lasting irritation.

Ingestion:

Give several glasses of water or milk. Do not induce vomiting.

Inhalation:

May cause irritation to the respiratory tract and lungs.

Symptoms of Exposure:

A review of available data does not identify any symptoms from

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Note to Physicians:

Based on the individual reactions of the patient, the physician's judgment should be used to control symptoms and clinical condition.

CAUTION:

If unconscious, having trouble breathing or in convulsions, do not induce vomiting or give water.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point:

None (PMCC) ASTM D-93

Extinguishing Media:

Water spray, carbon dioxide, foam, dry chemical

Unusual fire and Explosion Hazard:

Material is a strong oxidizer. May combine with various metals (at decomposition) to form further flammable mixtures.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Small Liquid Spill:

Contain with absorbent material such as clay or inert absorbent. Shovel reclaimed liquid and absorbent into recovery or salvage drums for disposal. Refer to CERCLA in Section 15.

Large liquid Spill:

Dike to prevent further movement and reclaim into recovery or salvage drums or tank truck for disposal. Refer to CERCLA in Section 15. This product can be neutralized of its halogen (active ingredient) components by sprinkling sodium metabisulfite or sodium sulfite on the spilled material.

For large indoor spills:

Evacuate employees and ventilate area. Those responsible for control and recovery should wear the protective equipment specified in Section 8.

SECTION 7: HANDLING AND STORAGE

Storage:

Keep container closed when not in use.

Handling:

Avoid contact with skin, eyes, and clothing

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chemical splash goggles. Suitable impermeable gloves include neoprene, nitrile, PVC, natural rubber, viton and butyl. A full slicker suit is recommended if gross exposure is possible. The availability of an eye wash fountain and safety shower is recommended. If clothing is contaminated, remove and thoroughly wash the affected area. Launder contaminated clothing before reuse.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid	
Color:	Golden colored liquid	
Water Solubility:	Complete	
Density:	11.9-12.1 lbs./gal. @ 68° F	
Specific Gravity:	1.42-1.46 @ 68° F	ASTM D-1298
Viscosity:	N/A	ASTM D-2983
pH (neat):	>13	ASTM E-70
Freeze Point:	<12 deg F	ASTM D-1177
Flash Point:	none (PMCC)	ASTM D-93
Note:	These physical properties are typical values for this product but are not absolute	

SECTION 10: STABILITY AND REACTIVITY

Avoid contact with strong acids, (eg. Sulfuric, phosphoric, nitric, hydrochloric, chromic, sulfamic) which can generate heat, splattering or boiling and the release of toxic fumes. Avoid contact with copper and iron.

Avoid contact with strong oxidizers (eg. peroxides, chromates, nitric acid, perchlorates, concentrated oxygen, permanganates) which can generate heat, fires, explosions, and the release of toxic fumes.

Thermal Decomposition Products: In the event of com

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hazardous components. CERLA/SUPERFUND, 40 CFR 117, 301: N/A
SARA/SUPERFUND AMENDMENTS ACT OF 1986 (TITLE III) – SECTIONS 302,311,312,AND 313:
Section 302 – Extremely hazardous substances (40 CFR 355): This product does not contain ingredients listed in Appendix A and B as an extremely hazardous substance.
Sections 311 and 312 – Material Safety Data Sheet Requirements (40 CFR 370): Our hazard evaluation has found this product to be mildly hazardous due to skin and eye corrosivity. The product should be reported under the following EPA hazard categories:

- Yes** Immediate (acute) health hazard
- No Delayed (chronic) health hazard
- No Fire hazard

Section 313 - List of Toxic Chemicals (40CFR 372): This product does not contain ingredients on the list of Toxic Chemicals.

Toxic Substance Control act (TSCA): The chemical ingredients in this product are on the 8(b) Inventory List (40 CFR 710).

Food and Drug Administration: Federal Food, Drug, and Cosmetic Act: N/A

Resource Conservation and Recovery Act (RCRA), 40C400001y .A03 Tw[]-945(ImmedprovnRA9Tj-23tp3f0 -1.