

**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	1
SPECIAL	

AQUALINE pH ADJUST - GREEN

Section 1: IDENTIFICATION

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

Emergency Telephone
Chemtel: 800-255-3924

Prepared 12/2007

SECTION 2:

Hazardous Ingredients

MATERIAL

SODIUM HYDROXIDE

Non-Hazardous Ingredients

WATER

INGREDIENTS

<u>CAS NO.</u>	<u>%</u>	<u>TLV</u>
1310-73-2	<5	2mg/m ³ /15M
	BAL.	NONE ESTAB.

SECTION 3:

HEALTH HAZARDS

Ingestion:	MAY BE TOXIC IN CONCENTRATED FORM. DO NOT TAKE INTERNALLY. DUE TO HIGH ALKALINITY, CAUSES SEVERE IRRITATION, POSSIBLE BURNS OF INTERNAL TISSUES. NOT A LIKELY ROUTE OF EXPOSURE. INHALATION OF MIST IRRITATING TO RESPIRATORY TRACT.
Inhalation:	PROLONGED CONTACT CAUSES SEVERE IRRITATION.
Skin Contact:	CAUSES SEVERE IRRITATION, POSSIBLE BURNS AND EYE DAMAGE.
Eye Contact:	OTHER THAN ACUTE EFFECTS LISTED ABOVE, NO LONG TERM EFFECTS KNOWN.
Other Information:	

SECTION 4:

FIRST AID

Ingestion:	DRINK SEVERAL GLASSES OF WATER TO DILUTE. DO NOT INDUCE VOMITING UNLESS DIRECTED TO DO SO BY MEDICAL PERSONNEL. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GET MEDICAL ATTENTION.
Inhalation:	REMOVE VICTIM TO FRESH AIR. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST.
Skin Contact:	WASH WITH PLAIN WATER OR SOAP AND WATER.
Eye Contact:	IMMEDIATELY FLUSH WITH CLEAR WATER FOR 15 MINUTES AND GET MEDICAL ATTENTION.
Notes to Physician:	THIS PRODUCT IS A STRONG, CAUSTIC ALKALINE PRODUCT. TREAT SYMPTOMS WITH SUPPORTIVE MEASURES.

SECTION 5:

FIRE AND EXPLOSION HAZARD DATA

Flash Point/Method:	NONE
Lower Limit in Air:	N.A.
Upper Limit in Air:	N.A.
Extinguishing Media:	WATER OR ANY MEDIA SUITABLE FOR THE SURROUNDING FIRE.

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Procedures:	FIREFIGHTERS SHOULD WEAR NORMAL PROTECTIVE EQUIPMENT. SELF-CONTAINED BREATHING APPARATUS SHOULD BE USED IN CONFINED AREAS.
Unusual Hazards:	NONE
Combustion Products:	IF WATER IS EVAPORATED, OXIDES OF CARBON MAY BE PRODUCED.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:	THE WEARING OF SAFETY GLASSES, RUBBER GLOVES, BOOTS AND APRON ARE RECOMMENDED.
Environmental Precautions:	THIS PRODUCT HAS A MODERATE HAZARD POTENTIAL IF RELEASED INTO THE ENVIRONMENT ACCIDENTLY.
Procedures for Clean Up:	SMALL SPILLS MAY BE FLUSHED WITH COPIOUS QUANTITIES OF WATER, PREFERABLY TO A SANITARY SEWER. LARGER SPILLS MAY BE DIKED TO MINIMIZE RUN-OFF AND NEUTRALIZED WITH DILUTE ACID. LIQUID MAY BE ABSORBED IN SAWDUST OR ANY AVAILABLE ABSORBANT AND SWEEPINGS DISPOSED OF IN A LANDFILL. OBEY ALL FEDERAL, STATE OR LOCAL REGULATIONS.
Prohibited Materials:	NONE

SECTION 7: HANDLING AND STORAGE

Handling:	THIS PRODUCT IS A STRONG ALKALINE MATERIAL AND THE WEARING OF INDICATED PROTECTIVE EQUIPMENT IS REQUIRED WHEN HANDLING THE UNDILUTED MATERIAL. KEEP OUT OF REACH OF CHILDREN. STORE IN A COOL, DRY PLACE. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE.
Storage:	

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Precautionary Measures:	STANDARD INDUSTRIAL HANDLING PRECAUTIONS.
Engineering Controls:	NONE
Control Limits:	NONE.
Equipment for Personal Protection:	EYEWASH STATION AND SAFETY SHOWER IN AREA OF USE.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	CLEAR GREEN LIQUID
Odor:	NONE
pH (undiluted):	<12.5
Specific Gravity:	1.03
Density:	8.6 lbs./gal.
Solubility in Water:	COMPLETE
Boiling Point:	>212°F
Percent Volatile:	>80
Vapor Pressure (mmHg):	N.D.
Vapor Density:	N.D.
Evaporation Rate:	(water=1): ~1

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SECTION 10: STABILITY AND REACTIVITY

Stability:	STABLE
Conditions to Avoid:	NONE
Hazardous Polymerization:	STABLE
Conditions to Avoid:	NONE
Incompatibility:	MAY REACT WITH STRONG OXIDIZING AGENTS OR ACIDS.
Hazardous Decomposition Products:	IF WATER EVAPORATED, OXIDES OF CARBON & NITROGEN COULD BE PRODUCED BY COMBUSTION.

SECTION 11: TOXICOLOGICAL INFORMATION

Material & Tests:	NAOH: IRRITATION DATA; SKIN (RABBIT) = 500 mg/24 H (SEVERE); EYE (RABBIT) = 50 ug/24H (SEVERE).
Symptoms:	SEVERE PAIN FROM BURNS IN CONTACTED AREAS.
Effects:	BURNS AND TISSUE DAMAGE.

SECTION 12: ECOLOGICAL INFORMATION

Possible Effects:	TOXIC EFFECTS MINIMAL UNLESS SUFFICIENT MATERIAL TO DRASTICALLY EFFECT pH IS RELEASED.
Biodegradability:	ALL ORGANIC COMPONENTS ARE BIODEGRADABLE.
Persistence:	NOT PERSISTENT.
Aquatic Toxicity:	NOT AVAILABLE

SECTION 13: DISPOSAL CONSIDERATIONS

General Considerations:	THIS PRODUCT IS NOT A HAZARDOUS WASTE.
Procedures:	DISPOSAL BY USE PREFERRED BUT IF THIS NOT POSSIBLE, DILUTE WITH COPIOUS QUANTITIES OF WATER, NEUTRALIZE WITH DILUTE ACID AND FLUSH TO WASTE, PREFERABLY TO A SANITARY SEWER. HOWEVER, OBEY ALL FEDERAL, STATE OR LOCAL REGULATIONS.

SECTION 14: TRANSPORT INFORMATION:

Shipping Name:	COMPOUNDS, WATER TREATMENT, N.O.S.
Primary Hazard Class:	NOT REGULATED BY US DOT

SECTION 15: REGULATORY INFORMATION

<u>Regulation</u>	<u>Material</u>	<u>RQ</u>	<u>Max. %</u>
CERCLA (40 CFR302.4):	SODIUM HYDROXIDE	1000 lbs.	5
<u>SARA 302 (Sect. 355, Appendix A):</u>	<u>Material</u>	<u>TPQ</u>	<u>Max. %</u>
	NONE		
<u>SARA 311/312:</u>	<u>Categories</u>	<u>Hazards</u>	
	IMMEDIATE HEALTH	EYE, SKIN CORROSIVE	

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SARA 313 (40 CFR 372.45):	NONE	
CWA (40 CFR 401.15):	NONE	
RCRA (40 CFR 261): Notes:	NONE	
OSHA (29 CFR 1910.1200):	ALL COMPONENTS LISTED UNDER THIS STANDARD ARE SHOWN IN SECTION 2 OF THIS MSDS.	
TSCA	ALL INGREDIENTS IN THIS PRODUCT ARE LISTED IN THE TSCA INVENTORY.	

SPECIAL STATE REGULATIONS

<u>STATE</u>	<u>INGREDIENT</u>	<u>%</u>	<u>REGULATORY DESIGNATION</u>
NONE			

The data contained in this Material Safety Data Sheet has been prepared based upon an evaluation of the ingredients in the product, the concentration in the product and potential interactions. The information is offered in good faith and is believed to be accurate. It is furnished to the customer who is urged to study it carefully to become aware of hazards, if any, in the storage, handling, use and disposal of the product; and to insure his employees are properly informed and advised of all safety precautions required. The information is furnished for compliance with the "Occupational Safety and Health Act" of 1970, the "Hazards Communication Act" of 1983 as well as various other Federal, State and Local regulations. Use or dissemination of all or part of this information for any other purpose is prohibited by law.