

**MATERIAL
SAFETY
DATA
SHEET**

NFPA Designation 704

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

FLAMMABILITY	0
HEALTH	1
REACTIVITY	0
SPECIAL	

FORMULA 4801

SECTION I: IDENTIFICATION

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

Emergency Phone
CHEM-TEL 1-800-255-3924

Effective Date: 5/1/00

Revised: 02/2007

Chemical Name:	NOT APPLICABLE	Formula:	SEE SECTION II
Synonyms:	N.A.	Chemical Family:	MIXTURE
Shipping Name:	COMPOUNDS, CLEANING LIQUID		
D.O.T. Hazard Class:	NONE	Code No.	NONE

SECTION II: INGREDIENTS

A. Hazardous Ingredients	CAS NO.	%	TLV
POTASSIUM HYDROXIDE (As K ₂ O)	1310-58-3	<1.0	2mg/m ³ /15M
SODIUM MOLYBDATE	7631-95-0	1-5%	5mg/m ³ (Mo)

B. Other Ingredients	%*	TLV
POTASSIUM PHOSPHONATES	M	NONE ESTAB.
INORGANIC PHOSPHATES	M	NONE ESTAB.
CARBOXYLATED COPOLYMERS	M	NONE ESTAB.
SODIUM TOLYLTRIAZOLE	L	NONE ESTAB.

*Legend: L=<1%; M=1-10%; H=>10%

SECTION III: PHYSICAL PROPERTIES

Boiling Point:	>212°F	Specific Gravity:	1.02-1.05
Percent Volatile (volume):	>85 (WATER)	pH (undiluted):	<12
Vapor Pressure (mm Hg):	N.A.	Solubility in Water:	COMPLETE
Vapor Density (air=1):	<1	Evaporation Rate (water=1):	1.0
Appearance and Odor:	CLEAR LIQUID WITH PRACTICALLY NO ODOR		

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

Flash Point (method used): NONE
Flammable Limits in Air (lower): N.A. (upper): N.A.
Extinguishing Media: ANY MEDIA SUITABLE FOR THE SURROUNDING FIRE
Special Fire Fighting Procedures: FIREFIGHTERS SHOULD WEAR NORMAL PROTECTIVE EQUIPMENT. SELF-CONTAINED BREATHING APPARATUS SHOULD BE USED IN CONFINED AREAS.
Unusual Fire or Explosion Hazards: NONE

SECTION V: HEALTH HAZARD DATA

A. TLV and Source: CALCULATED >2000ppm BASED ON K₂O CONCENTRATION

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B. Effects of a Single Overexposure by

1. Ingestion: MAY BE TOXIC. DUE TO HIGH pH, MAY CAUSE SEVERE IRRITATION TO INTERNAL TISSUES.
2. Inhalation: NOT A LIKELY ROUTE OF EXPOSURE. INHALATION OF MIST IRRITATING TO RESPIRATORY TRACT.
3. Skin Contact: PROLONGED CONTACT MAY CAUSE IRRITATION.
4. Eye Contact: CAUSES SEVERE IRRITATION OR BURNS.

C. Effects of Repeated Over exposures:

OTHER THAN ACUTE EFFECTS, NONE KNOWN.

D. Emergency and First Aid Procedures for

1. Ingestion: DRINK SEVERAL GLASSES OF WATER AND GET IMMEDIATE MEDICAL ATTENTION. DO NOT INDUCE VOMITING.
2. Inhalation: REMOVE VICTIM TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESUSCITATION. GET IMMEDIATE MEDICAL ATTENTION.
3. Skin Contact: WASH WITH SOAP AND WATER OR PLAIN WATER.
4. Eye Contact: IMMEDIATELY FLUSH WITH CLEAR WATER FOR 15 MINUTES AND IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.

SECTION VI: PERSONNEL PROTECTION DATA

Respiratory Protection: NOT NORMALLY REQUIRED
Ventilation: NORMAL VENTILATION SATISFACTORY
Protective Gloves: OPTIONAL
Eye Protection: GOGGLES OR FACE SHIELD
Other Protective Equipment: EYEWASH STATION IN AREA OF USE.

SECTION VII: REACTIVITY DATA

A. Product Stability: STABLE
Conditions to Avoid: NONE
B. Incompatibility: CONCENTRATED ACIDS OR OXIDIZING AGENTS
C. Hazardous Combustion or
Decomposition Products: OXIDES OF CARBON AND NITROGEN MAY BE RELEASED IF WATER IS EVAPORATED BY THE HEAT OF A FIRE.
D. Hazardous Conditions to Avoid: NONE
Polymerization: WILL NOT OCCUR

SECTION VIII: ENVIRONMENTAL DATA

A. Spill or Leak Procedures: SMALL SPILLS MAY BE FLUSHED WITH COPIOUS QUANTITIES OF WATER, PREFERABLY TO A SANITARY SEWER OR WASTE TREATMENT FACILITY. LARGER SPILLS MAY BE ABSORBED IN SAWDUST OR OTHER ABSORBENT AND SWEEPINGS DISPOSED OF IN AN APPROVED LANDFILL.
B. Waste Disposal: SMALL QUANTITIES MAY BE DILUTED WITH WATER AND FLUSHED TO A SANITARY SEWER. LARGER QUANTITIES MAY BE BURIED IN AN APPROVED LANDFILL. HOWEVER, OBEY ALL FEDERAL, STATE OR

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C. Other Environmental Data:

LOCAL REGULATIONS.
CALCULATED AQUATIC TOXICITY FOR THE PRODUCT >1500ppm BASED ON THE MOST TOXIC INGREDIENT KNOWN IN THE PRODUCT.

SECTION IX: SPECIAL PRECAUTIONS

- A. Handling and Storage: STORE IN A COOL DRY PLACE. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE.
- B. Other Precautions: THIS PRODUCT HAS BEEN DESIGNED FOR USE IN SPECIFIC TYPES OF COOLING WATER CIRCUITS AND SHOULD BE USED ONLY IN ACCORDANCE WITH THE INSTRUCTIONS PROVIDED BY THE TECHNICAL REPRESENTATIVE SERVICING THE FACILITY.

SECTIONX: REGULATORY INFORMATION

The following regulations are known to apply to the use and disposal of this product. Additional Federal, State and Local regulations may also be applicable.

CERCLA (Comprehensive Environmental Response, Compensation and Liability Act):
Unless listed below, this product does not contain greater than 0.1% of any listed hazardous substance(s) - 40 CFR 302.4.

<u>SUBSTANCE</u>	<u>AMOUNT (Lbs/Gal)</u>
POTASSIUM HYDROXIDE (RQ=5,000 Lbs.)	Maximum 0.09 Lbs.

SARA (Superfund Amendments and Reauthorization Act):
Unless listed below, this product does not contain greater than the reportable amounts of toxic chemicals as defined under the various regulations under SARA.

Section 302: Extremely Hazardous Substances List - 40 CFR 355, Appendix A

<u>SUBSTANCE</u>	<u>AMOUNT (Lbs/Gal)</u>
NONE	

Section 311/312: This product falls in the following categories.

<u>CATEGORY</u>	<u>HAZARD</u>
IMMEDIATE HEALTH	EYE IRRITANT

Section 313: Toxic Chemicals List - 40 CFR 372.65

<u>SUBSTANCE</u>	<u>AMOUNT (Lbs/Gal)</u>
NONE	

RCRA (Resource Conservation and Recovery Act):
Unless shown below, all components of this product listed as a hazardous waste under 40 CFR 261 are listed elsewhere in this MSDS. However, prior to disposal of the neat product, applicable regulatory agencies should be consulted.

<u>SUBSTANCE</u>	<u>AMOUNT (Lbs/Gal)</u>
NONE	

CWA (Clean Water Act):

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Unless shown below, all components in this product at greater than 0.1% which are listed under 40 CFR 401.15, are listed elsewhere in this MSDS.

SUBSTANCE
NONE

AMOUNT (Lbs/Gal)

OSHA (Hazard Communication Standard):

All components listed under this standard 29 CFR 1910.1200 are listed in Section II of this MSDS.

TSCA (Toxic Substances Control Act):

All ingredients in this product are listed in the TSCA inventory.

STATE REGULATIONS

CALIFORNIA (Safe Drinking Water and Toxic Enforcement Act - Proposition 65):

The following chemicals and associated hazard are listed:

SUBSTANCE
NONE

HAZARD

OTHER STATES: Certain states maintain their own ingredients lists which differ slightly from the Federal standards. States listed below have regulations on ingredients contained in this product. However, unless shown below, other sections of this MSDS contain the required reporting information.

STATE
MA, NJ

ADDITIONAL INGREDIENTS
MOLYBDENUM, SOLUBLE (as Mo)

AMOUNT (Lbs/Gal)
Maximum 0.052 Lbs.

The data contained in this Material Safety Data Sheet has been prepared based upon an evaluation of the ingredients in the product, their 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.