

**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	OX

FORMULA 4401

Section 1

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

Emergency Telephone
Chemtel (800)255-3924

Revision Date: 10/03

Section II INGREDIENTS

Ingredients	Cas#	%By Weight (Optional)	Limits
Sodium Hydroxide	1310-73-2		2mg/m3
Sodium Mestasilicate	6834-92-0		10mg/m3
Sodium Nitrite	7632-00-0		None established

Section III PHYSICAL DATA

Boiling Point: >212F	Solubility in Water: Complete
Melting Point: N/A	Specific Gravity: 1.039-1.049
Vapor Density: <1	Evaporation Rate: 1.0
Vapor Pressure: N/A	pH: (undiluted)>12.0
Appearance and Odor:	Clear pale straw-yellow liquid

Section IV FIRE AND EXPLOSION HAZARD DATA

Flash Point: None	Flammable Limits: UEL: N/A	LEL: N/A
Extinguishing Method:	Flood with water. Heavy water jet advantageous.	
Special Fire Fighting Procedures:	If water is evaporated, the dry nitrite can break down at temperatures above 610 degrees F to release toxic nitrogen gases. Wear NIOSH approved self-contained breathing apparatus.	
Unusual Fire and Explosion Hazards:	If water is evaporated, the dry nitrite is an oxidizing agent and can supply oxygen to stimulate or accelerate the combustion of other combustibles	

Section V REACTIVITY DATA

Stability:	Stable(X) Unstable()
Hazardous Polymerization	May Occur () Will Not Occur (X)
Incompatibility:	Hazardous reactions can occur with acids, ammonium compounds, reducing agents, cyanides, thiocyanates and thiosulfates, certain combustibles, and organics.
Hazardous Decomposition:	Oxides of carbon and nitrogen may be released if water is evaporated by the heat of a fire.

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Section VI	HEALTH HAZARD DATA
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Primary Routes of Exposure: Eyes(X) Skin(X) Ingestion (X) Inhalation()
Acute Health Hazards: Eyes: Causes severe irritation or burns
Skin: Prolonged contact may cause irritation
Ingestion: May be toxic due to high pH. Large amounts can result in acute toxic effects to internal organs, which may be fatal.
Inhalation: Not Established
Chronic Health Hazards: Not Hazardous
Carcinogenicity: NTP: Not Listed LARC: Not Listed OSHA: Not Listed
First Aid: Eyes: Flush with water for 15 minutes. Call Physician
Skin: Wash with soap and water.
Ingestion: Drink plenty of water and call a physician. Induce vomiting. If cyanosis (blue skin) develops, administer oxygen.
Inhalation: Move to fresh air. Call Physician.

Section VII	PERSONAL PROTECTIVE DATA
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Respirator: Use approved NIOSH/MSHA respirator if TLV is exceeded.
Ventilation: General() Local()
Protective Equipment: Gloves(X) Apron() Faceshield/Goggles(X)

Section VIII	PRECAUTIONS FOR SAFE HANDLING AND STORAGE
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Spill control and recovery: Absorb with inert solids. Shovel into containers suitable for transport and disposal.
Waste Disposal Method: Dispose in accordance with state, federal, and local regulations.
Storage: Store in closed containers in a cool, dry, well-ventilated area away from heat, spark, and flame.

Section IX	DISCLAIMER
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