

# MATERIAL SAFETY DATA SHEET

N/A=NOT APPLICABLE

EFFECTIVE DATE 4/07

## SECTION 1 - PRODUCT IDENTIFICATION

**Product Name:** BOILER WATER TREATMENT (MS501)      **Chemical Family:** N/A  
**Supplier's Name:** Banner Chemical Corp.      **Proper Shipping Name:** CLEANING COMPOUND  
**Supplier's Address:** 111 Hill St.      **DOT Shipping Hazard:** N/A  
Orange, NJ 07050      **DOT Labels Required:** N/A  
**EMERGENCY TELEPHONE NUMBER** 973/676-2900  
**HMIS RATING (0-4):** HEALTH: 1    FIRE: 0    REACTIVITY: 0

## SECTION 2 - HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS NO.	% (optional)	TLV(ACGIH)
*Sodium Hydroxide	1310-73-2		2.0mg/M

\*This toxic chemical is subject to reporting requirements of Sec. 313-SARA Title III-40CFR. Part 372

## SECTION 3 - PHYSICAL DATA

**BOILING POINT:** c. 212°F  
**VAPOR PRESSURE (mmHg @ 20°C):** N/A  
**VAPOR DENSITY (air=1):** N/A  
**SPECIFIC GRAVITY:** 1.01-1.10  
**PHYSICAL DESCRIPTION:** Clear to milky white liquid; no objectionable odor.  
**pH:** 8-9.5  
**SOLUBILITY IN WATER:** 100  
**EVAPORATION RATE:** c. 1.0  
**% VOLATILE BY VOLUME:** 88

## SECTION 4 - FIRE and EXPLOSION DATA

**FLASH POINT:** None at boiling  
**FLAMMABLE LIMITS:** N/A  
**EXTINGUISHING MEDIA:** Media proper to primary cause of fire  
**SPECIAL FIREFIGHTING PROCEDURES:** None known  
**UNUSUAL FIRE & EXPLOSION HAZARD:** None known

## SECTION 5 - HEALTH HAZARD DATA

**THRESHOLD LIMIT VALUE:** None known  
**EFFECTS OF OVEREXPOSURE:** Possible skin irritation, drying and chapping.  
**EMERGENCY & FIRST AID PROCEDURES:** **EYE:** Flush with copious amount of water for 15 min. **SKIN:** Wash with soap and water. **INHALATION:** Remove to fresh air. Use respiratory protection for airborne dust. **INGESTION:** Give large quantity of water and induce vomiting. Never give anything by mouth to an unconscious person. In all cases consult a physician.

## SECTION 6 - REACTIVITY DATA

**STABILITY:** Stable under normal conditions

## SECTION 7 - SPILL or LEAK PROCEDURES

**SPILLAGE:** Confine spill and absorb with BAN-DRI, earth, sand or similar inert material.

**INCOMPATIBILITY:** Reacts with acids to release of carbon dioxide gas and heat.

**WASTE DISPOSAL METHOD:** In a manner consistent with federal, state and local regulations.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None known

**HAZARDOUS POLYMERIZATION:** Will not occur

## SECTION 8 - SPECIAL PROTECTION INFORMATION

**RESPIRATORY PROTECTION:** Use N-IOSH respirator if exposure limits exceeded.

**VENTILATION:** Sufficient to meet TLV levels.

**GLOVES:** Rubber or plastic coated should be used.

**EYE PROTECTION:** Goggles if splashing expected.

**OTHER PROTECTIVE EQUIPMENT:** Clothing cover can be used.

## SECTION 9 - SPECIAL PRECAUTIONS

**Avoid contact with acids except under controlled conditions. Do not get in eyes or on skin. Wash thoroughly after handling. Use with adequate ventilation. Store away from other chemicals and out of the reach of children. Store in a closed container away from fire and extreme heat. Keep from freezing. Use protective equipment.**

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