

# MATERIAL SAFETY DATA SHEET

Conforms to 29 CFR 1910.1200 (OSHA HAZARD COMMUNICATION STANDARD)

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PRODUCT NAME: SUPER BOILER

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## SECTION I - PRODUCT IDENTIFICATION

Trade Names and Synonyms:

SUPER BOILER

Chemical Name/Synonyms:

N/A

Chemical Family:

STEAM BOILER WATER TREATMENT

Formula: Mixture

## NFPA HAZARD IDENTIFICATION SYSTEM

### HAZARD RATING

HEALTH	2	4 - Extreme
FLAMMABILITY	0	3 - High
REACTIVITY	0	2 - Moderate
		1 - Slight
		0 - Insignificant

## SECTION II - HAZARDOUS INGREDIENTS

Substance	APPROX. OSHA % PEL	ACGIH TLV	CARCINOGENICITY NPT IARC OSHA	CAS No.
Sodium Hydroxide	<5.00 10 ppm	10 ppm	N N N	1310-73-2

## SECTION III - PHYSICAL DATA

Boiling Point (°F): 212

Vapor Pressure (mm Hg): NOT DET.

Vapor Density (air = 1): NOT DET.

Solubility in water: SOLUBLE

Appearance and Odor: CLEAR, BROWN LIQUID, CHARACTERISTIC ODOR

Specific Gravity: 1.20

% Volatile (volume %): > 50.0

Evaporation Rate (ether = 1) 1

pH: 13.50

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (°F): N/A

(test method): CLOSED CUP

Flammable Limits in air (volume %)

Upper: N/A Lower: N/A

Extinguishing Media: WATER, FOAM, CARBON DIOXIDE, DRY CHEMICAL.

Special Fire Fighting Procedure: COOL DRUMS IN VICINITY OF FIRE WITH WATER FOG. FIREFIGHTERS SHOULD BE EQUIPPED WITH FULL PROTECTIVE GEAR INCLUDING SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire and Explosion Hazard: NONE

## SECTION V - REACTIVITY DATA

Stability: STABLE

Conditions to Avoid: NONE

Incompatibility: ACIDIC MATERIALS.

Hazardous Decomposition Products: THERMAL DECOMPOSITION MAY YIELD OXIDES OF CARBON, SULFUR AND NITROGEN.

Hazardous Polymerization: WILL NOT OCCUR

Conditions to Avoid: NONE

**SECTION VI - HEALTH HAZARD DATA**

Threshold Limit Value (TLV): NOT ESTABLISHED

Primary Route(s) of Exposure: EYE, SKIN CONTACT, INGESTION, AND INHALATION

Effects of Overexposure: EYES: SEVERE IRRITATION. SKIN: IRRITATION AND DERMATITIS. INGESTION: SEVERE IRRITATION OF RESPIRATORY TRACT. INHALATION: SEVERE IRRITATION OF RESPIRATORY TRACT, PULMONARY EDEMA, LARYNGAL SPASMS.

Emergency and First Aid Procedures: EYES: FLUSH EYES AND UNDER EYELIDS WITH PLENTY OF COOL WATER FOR AT LEAST 15 MINUTES. OBTAIN IMMEDIATE MEDICAL ATTENTION, AND CONTINUE FLUSHING UNTIL ASSISTANCE ARRIVES.

SKIN: REMOVE CONTAMINATED CLOTHING AND LAUNDRY BEFORE RE-USE. FLUSH THOROUGHLY WITH VINEGAR AND WATER.

INGESTION: GIVE AFFECTED PERSON SEVERAL GLASSES OF WATER FOLLOWED WITH CITRUS FRUIT JUICE. DO NOT INDUCE VOMITING. CALL PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

INHALATION: REMOVE PERSON TO FRESH AIR AND CALL PHYSICIAN IMMEDIATELY.

**SECTION VII - SPILL OR LEAK PROTECTION**

Steps to be taken if Material is Released or Spilled: SOAK UP ON ABSORBENT MATERIAL OR FLUSH AWAY WITH WATER.

Waste Disposal Method: CONSULT LOCAL ENVIRONMENTAL AUTHORITIES.

**SECTION VIII - SPECIAL PROTECTION INFORMATION**

Respiratory Protection: USE WITH ADEQUATE VENTILATION. USE APPROVED RESPIRATOR TO PREVENT INHALATION OF VAPORS OR MISTS.

Ventilation: -Local Exhaust: RECOMMENDED

Mechanical: RECOMMENDED

Protective Gloves: IMPERVIOUS RUBBER GLOVES

Eye Protection: GOGGLES OR FACE SHIELD

Other Protective Equipment: PROTECTIVE CLOTHING, EMERGENCY SHOWER AND EYE WASH STATION

**SECTION IX - SPECIAL PROTECTION**

Precautions to be Taken in Handling or Storage: STORE IN A COOL, DRY PLACE, AWAY FROM ACIDS. USE WITH ADEQUATE VENTILATION. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE.

Other Precautions: KEEP OUT OF REACH OF CHILDREN

**SECTION X - REGULATORY INFORMATION**

DOT Proper Shipping Name: CORROSIVE LIQUID N.O.S.(Containing Sodium Hydroxide)

DOT Class: 8

DOT ID Number: UN1760

DOT Packaging Group: III

SARA/TITLE III - CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4): This product does not contain an ingredient(s) listed as a hazardous ingredient for Emergency Release Notification under section 304.

SARA/TITLE III - List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355): This product does not contain an ingredient(s) listed as an extremely hazardous substance (EHS) for Emergency Planning under sections 302 and for Emergency Release Notification under section 304.

SARA/TITLE III - List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372): This product does not contain an ingredient(s) listed as a toxic chemical for Annual Release Reporting Requirements under section 313.

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