

MATERIAL SAFETY DATA SHEET

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SECTION 1. PRODUCT IDENTIFICATION

PRODUCT NAME: BOILER POWDER #2

DATE: 12/12/01

SECTION 2. HAZARDOUS INGREDIENTS

Ingredient	CAS	% by Wt.	ACGIH TLV
Sodium Sulfite	7757-83-7	Proprietary	5mg/m <sup>3</sup>
Sodium Hydroxide	1310-73-2	Proprietary	2mg/m <sup>3</sup>

Remaining components comprise proprietary information.

SECTION 3. HAZARDS IDENTIFICATION

PRIMARY ROUTE OF EXPOSURE: Eye contact, skin contact, and inhalation.

TARGET ORGANS: Eyes, skin, and respiratory system.

ACUTE HEALTH EFFECTS: Inhalation hazard. Corrosive to eyes and skin. May cause irritation or corrosion of mucous membranes and the lungs. Harmful if swallowed.

CHRONIC HEALTH EFFECTS: The chronic effects of this material have not been fully evaluated.

CARCINOGENIC POTENTIAL: No components listed in any OSHA Standard.

OTHER HEALTH EFFECTS: None known.

SECTION 4. FIRST AID MEASURES

EYES: Flush immediately with large amounts of water for 15 minutes, lifting lower and upper eyelids occasionally. Seek medical attention.

SKIN: Wash with plenty of soap and water. Consult a physician if irritation persists.

INGESTION: If conscious, give large quantities of water and/or milk. Do not induce vomiting. Get medical attention.

INHALATION: Move person to fresh air.

SECTION 5. FIRE AND EXPLOSION HAZARD DATA

FLASHPOINT: N/A

EXTINGUISHING MEDIA: Water fog, CO<sub>2</sub>, foam, and dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Use self-contained breathing apparatus and full protective gear.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Contact with acids releases irritating and toxic sulfur dioxide gas.

SECTION 6. ACCIDENTAL RELEASE MEASURES/DISPOSAL

LEAKS AND SPILLS

Block potential routes to water systems. Collect spilled material and place in closed container for use or disposal. Use gloves and protective clothing. Use self-contained breathing apparatus if extreme heat is encountered. Dispose of in accordance with all local, state and federal regulations.

SECTION 7. SAFE HANDLING AND STORAGE

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### HANDLING & STORAGE PRECAUTIONS

Store in cool, dry area, away from acids or oxidizers. Keep containers dry and tightly closed when not in use. Avoid contact with skin/eyes/mouth. Wash hands after handling. Avoid breathing dust/fumes/mist. **WARNING:** When dissolving, add water cautiously and with stirring; solutions can get hot and splatter.

### SECTION 8. CONTROL AND PROTECTIVE MEASURES

#### PROTECTIVE EQUIPMENT TYPES

EYES: Chemical splash proof goggles.

RESPIRATORY: NIOSH/MSHA approved dust/mist respirator recommended.

GLOVES: Rubber, chemical resistant recommended.

OTHER: Apron or rubberized clothes for splash, protective shoes.

VENTILATION: General mechanical ventilation required where dust/mists/vapors are generated.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A

FREEZE POINT: N/A

PH: N/A

SPECIFIC GRAVITY: N/A

APPEARANCE: White to light orange colored granular powder.

ODOR: Odorless

VAPOR DENSITY: N/A

VAPOR PRESSURE: N/A

SOLUBILITY IN H<sub>2</sub>O: Appreciable

EVAPORATION RATE: N/A

### SECTION 10. STABILITY AND REACTIVITY

STABILITY: Stable under normal storage and use conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon, sulfur dioxide gas.

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITY: Acids (releases sulfur dioxide gas), strong oxidizers (cause vigorous exothermic reactions).

### SECTION 11. REGULATORY INFORMATION

DOT DESCRIPTION: Corrosive Solid, NOS, (Sodium Hydroxide), 8, UN 1759, III

SARA TITLE III (Superfund Amendments and Reauthorization Act)

Section 302 Extremely Hazardous Substances List: No listed components.

Section 312 Hazard Category: Acute-Yes Chronic-No Flammability-No

Pressure-No Reactivity-Yes

Section 313 Toxic Chemicals List: No listed components.

CERCLA: Contains the following listed substance: Sodium Hydroxide RQ=1000 lbs

TSCA: All components are included in the TSCA Inventory List.

The above information is accurate to the best of our knowledge. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use or misuse are beyond our control, Manufacturer no warranty, either express or implied, with respect to the completeness or continuing accuracy of the information contained herein and disclaims all liability for reliance thereon. User should satisfy himself that he has all current data relevant to his particular use.