

Material Safety Data Sheet

Hazard Rating:	NFPA	CODE TRANSLATION
Health:	1	0 = Minimal Hazard
Flammability:	0	1 = Slight Hazard
Reactivity:	0	2 = Moderate Hazard
Special:		3 = Severe Hazard
		4 = Extreme Hazard

SENTRY BSD

SECTION I: IDENTIFICATION

Effective Date: 9/31/86

Revised: SEPTEMBER 30, 2003

Name and Address:

Phone:

Emergency Phone SENTRY: (973) 616-9000

CHEMTREC: (800) 424-9300

Chemical Name: NOT APPLICABLE

Formula: SEE SECTION II

Synonyms: N.A.

Chemical Family: BOILER WATER TREATMENT

D.O.T. Hazard Class: NONE

ID No.: NONE

D.O.T. Shipping Name: NONE

SECTION II: INGREDIENTS

A. Hazardous Ingredients

CAS NO.

%

TLV

NONE KNOWN

B. Other Ingredients

%

TLV

SODIUM SULFITE, ANHYDROUS

>97

NONE ESTAB.

SECTION III: PHYSICAL PROPERTIES

Boiling Point: N.A.

Specific Gravity: 2.450-2.600

Percent Volatile (volume): <1

pH (5% solution): 10-12

Vapor Pressure (mm Hg): N.A.

Solubility in Water: <12%

Vapor Density (air=1): N.A.

Evaporation Rate (water=1): N.A.

Appearance and Odor: WHITE POWDER 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: WATER OR ANY MEDIA SUITABLE FOR THE SURROUNDING FIRE.

Special Fire Fighting Procedures: FIREFIGHTERS SHOULD WEAR NORMAL PROTECTIVE EQUIPMENT. SELF-CONTAINED BREATHING APPARATUS IS RECOMMENDED FOR CONFINED AREAS.

Unusual Fire or Explosion Hazards: NONE KNOWN

Material Safety Data Sheet

SENTRY BSD

SECTION V: HEALTH HAZARD DATA

A. TLV and Source: NONE ESTABLISHED FOR PRODUCT OR INGREDIENTS.

B. Effects of a Single Overexposure by:

1. Ingestion: MAY BE TOXIC BY INGESTION. MAY IRRITATE GASTROINTESTINAL TRACT AND CAUSE SEVERE ALLERGIC REACTIONS IN SOME ASTHMATICS. LARGE DOSES MAY CAUSE VIOLENT COLIC AND DIARRHEA, CIRCULATORY DISTURBANCES, CENTRAL NERVOUS SYSTEM DEPRESSION AND EVEN DEATH.
2. Inhalation: BREATHING OF DUST MAY BE SLIGHTLY IRRITATING.
3. Skin Contact: NOT NORMALLY A SKIN IRRITANT.
4. Eye Contact: CAUSES IRRITATION. DUST PARTICLES MAY SCRATCH CORNEA.

C. Effects of Repeated Overexposures: OTHER THAN SHORT TERM EFFECTS, NONE KNOWN.

D. Emergency and First Aid Procedures for:

1. Ingestion: DRINK SEVERAL GLASSES OF WATER AND INDUCE VOMITING. GET IMMEDIATE MEDICAL ATTENTION.
2. Inhalation: REMOVE VICTIM TO FRESH AIR. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST.
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.

E. Other Health Information: NONE KNOWN

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: HIGH TEMPERATURES YIELD SULFUR DIOXIDE AND HAZARDOUS RESIDUE.

B. Incompatibility: CONCENTRATED ACIDS OR OXIDIZING AGENTS

C. Hazardous Combustion or Decomposition Products: CONTACT WITH ACIDS WILL RELEASE SULFUR DIOXIDE GAS WHICH IS TOXIC AND CORROSIVE. DECOMPOSITION MAY YIELD SODIUM SULFIDE WHICH IS FLAMMABLE, A DANGEROUS FIRE RISK AND A STRONG IRRITANT TO SKIN AND TISSUES.

D. Hazardous Polymerization: WILL NOT OCCUR

Material Safety Data Sheet

SENTRY BSD

Conditions to Avoid: NONE KNOWN

SECTION VIII: ENVIRONMENTAL DATA

- A. Spill or Leak Procedures: SWEEP UP SPILLS AND RETURN THE MATERIAL TO THE ORIGINAL CONTAINER IF POSSIBLE. A NEW CONTAINER MAY BE USED IF THE ORIGINAL IS DAMAGED. THE AREA MAY THEN BE FLUSHED WITH COPIOUS QUANTITIES OF WATER. SWEEPINGS MAY BE 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 LOCAL REGULATIONS.
- C. Other Environmental Data: CALCULATED AQUATIC TOXICITY FOR THE PRODUCT >10ppm BASED ON THE POTENTIAL OF THE MATERIAL TO REMOVE OXYGEN FROM WATER.

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 BOILER WATER SYSTEMS AND SHOULD BE USED ONLY IN ACCORDANCE WITH THE INSTRUCTIONS PROVIDED BY THE TECHNICAL REPRESENTATIVE SERVICING THE FACILITY. IT MAY NOT BE USED FOR THE TREATMENT OF POTABLE WATERS. THE PRODUCT CONTAINS ONLY FDA APPROVED INGREDIENTS FOR USE IN BOILERS WHERE STEAM CAN CONTACT FOOD OR EDIBLE PRODUCTS. IT **CANNOT** BE USED IN USDA REGULATED FACILITIES WHERE SULFITE BASED PRODUCTS MUST BE DECHARACTERIZED.

The data contained in this Material Safety Data Sheet has been prepared based upon an evaluation of the ingredients contained 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 to comply with the "Occupational Safety and Health Act" (OSHA) hazard communication regulation [Rule 29 CFR 1910.1220 (g) (2)]. Use or dissemination of all or part of this information for any other purpose is not permitted.