

# 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

## FORMULA 7210-F

### SECTION I: IDENTIFICATION

Effective Date: 9/31/86  
Name and Address:

Revised: 12/16/08  
Phone: (610) 775-1505  
Emergency Phone: CHEMTREC (800) 424-9300

PROASYS  
318 HENDEL STREET  
SHILLINGTON, PA 19607

Chemical Name: NOT APPLICABLE  
Synonyms: N.A.  
D.O.T. Hazard Class: NONE  
D.O.T. Shipping Name: NONE

Formula: SEE SECTION II  
Chemical Family: BOILER WATER TREATMENT  
ID No.: NONE

### SECTION II: INGREDIENTS

A. Hazardous Ingredients	CAS NO.	%	TLV
COBALT SULFATE (as Co)	10124-43-3	<0.1	NO TLV or OSHA TWA LD <sub>50</sub> ORAL, RAT = 424 mg/kg
SODIUM METABISULFITE	7681-57-4	<2.5	TLV = 5 mg/m <sup>3</sup>
B. Other Ingredients		%*	TLV
SULFITE SALT		H	NONE ESTAB.

\*Legend: L=<5%; M=5-50%; H=>50%

### SECTION III: PHYSICAL PROPERTIES

Boiling Point: N.A.  
Percent Volatile (volume): <1  
Vapor Pressure (mm Hg): N.A.  
Vapor Density (air=1): N.A.  
Appearance and Odor: OFF WHITE POWDER WITH CHARACTERISTIC ODOR

Specific Gravity: 2.50-2.70  
pH (5% solution): 7-9  
Solubility in Water: <12%  
Evaporation Rate (water=1): N.A.

### 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

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### SECTION V: HEALTH HAZARD DATA

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- A. TLV and Source: CALCULATED  $>1000 \text{ mg/m}^3$  BASED ON COBAL T CONTENT
- 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

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### SECTION VI: PERSONNEL PROTECTION DATA

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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.

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### SECTION VII: REACTIVITY DATA

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- 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.

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- D. Hazardous Polymerization: WILL NOT OCCUR  
Conditions to Avoid: NONE KNOWN

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### SECTION VIII: ENVIRONMENTAL DATA

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- 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 >10 ppm BASED ON THE POTENTIAL OF THE MATERIAL TO REMOVE OXYGEN FROM WATER.

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### SECTION IX: SPECIAL PRECAUTIONS

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- 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.