



This Material Safety Data Sheet applies to the following Baldwin Filters Part Numbers:

BW5250

I. Identification

Emergency Only Telephone: (800) 424-9300 Inside the US, Canada and the U.S.
Virgin Islands
(703) 527-3887 Outside the US (collect calls accepted)

Information Telephone: (800) 822-5394

Chemical Family: Alkali Metal Salts w/Polymer Coating
DOT Hazard Class: NA
DOT Shipping Name: NA

II. Hazardous Ingredients

<u>Material</u>	<u>%</u>	<u>TLV (Units)</u>	<u>CAS #</u>
Sodium Nitrite	9-13	NA	7632-00-0
Sodium Molybdate	5-15	2 mg/m ³	7631-95-0
Sodium Nitrate	7-10	NA	7631-99-4
Silicic Acid, Disodium Salt (Sodium Metasilicate)	10-20	NA	6834-92-0

III. Physical Data

Boiling Point, 760 mmHg: NA
Specific Gravity (H₂O = 1): NA
Vapor Density (air = 1): NA
% Volatile by Volume: NA
pH (1% bw in water): NA
Vapor Pressure: NA
Solubility in Water: TR80034 Complete/Coating Insoluble
Evaporation Rate: NA
Appearance and Odor: White Color, Mild Ester Odor

IV. Fire and Explosion Hazard Data

Flash Point (Test Method): NA
Flammable Limits in Air (% by volume): **Lower** = ND **Upper** = ND
Extinguishing Media: Water, CO₂, Chemical Foam
Special Firefighting Procedures: Wear self-contained breathing apparatus. Contact with strong acids or thermal decomposition may produce toxic fumes.
Unusual Fire and Explosion Hazards: None

V. Reactivity Data

Stability: **Stable:** X **Unstable:**
Conditions to Avoid: NA
Incompatibility (materials to avoid): Strong acids, strong oxidizers, extreme heat, reducing agents.
Hazardous Combustion or Decomposition Products: Oxides of carbon and nitrogen.
Hazardous Polymerization: **May Occur:** **Will Not Occur:** X

VI. Health Hazard Data

Toxicity: TLV = 5 mg/m³ (Sodium Molybdenum);
10 mg/m³ (Nuisance Dust)
Ingredients Listed as Carcinogenic in NTP, IARC or OSHA (specify): None

Acute Effects of Overexposure

Eye Contact: Corrosive. Causes burns and severe damage to delicate eye tissue. Contact may cause blindness.
Skin Contact: Corrosive. May cause irritating and severe burns to the skin.
Inhalation: Corrosive. May cause burns to respiratory tract. Inhalation not likely due to physical nature.
Ingestion: Corrosive. May be fatal if swallowed. May cause burns to gastrointestinal tract. May cause nausea and vomiting.
Principal Routes of Absorption: Skin contact, eye contact, ingestion.

Emergency and First Aid Procedures

Eyes: Flush at once with plenty of cool water for 15 minutes. Contact a physician.
Skin: Flush affected area with plenty of water. If irritation develops, consult a physician.
Inhalation: Remove victim to fresh air. If symptoms persist, consult a physician.
Ingestion: Seek medical attention immediately. Give large quantities of water to dilute. Never give anything by mouth to an unconscious person.

VII. Spill or Leak Procedures

Steps to be taken if Material is Released or Spilled: Return dry material to original container, or shovel into steel container for disposal. Flush residue with plenty of water.
Waste Disposal Method: In accordance with federal, state, and local guidelines.

VIII. Special Protection Information

Ventilation

Requirements: Local exhaust sufficient to maintain below TLV.

Recommended Personal Protective Equipment

Respiratory: NIOSH approved dust mask/respirator.

Eyes: Chemical splash goggles.

Gloves: Impervious.

Other Clothing and Equipment: Other protective clothing depending on degree of exposure.

IX. Special Precautions

Precautions to be taken in Handling and Storing:

Keep container closed. Keep out of reach of children. Do not contact skin or eyes. Store in a cool dry place.

Other Precautions: For industrial use only. Do not take internally.

HMIS Ratings:

Health	0
Flammability	1
Reactivity	0
Personal Protection	B

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