



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

**CW5130-P**  
**CW5131-P**  
**CW5150-L**

**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  
**DOT Hazard Class:** NA  
**DOT Shipping Name:** Not Regulated

**II. Hazardous Ingredients**

<b>Material</b>	<b>%</b>	<b>TLV (Units)</b>	<b>CAS #</b>
Silicic Acid, Disodium Salt (Sodium Metasilicate)	10-15	ND	6834-92-0
Boric Acid, Disodium Salt, Pentahydrate	5-10	1mg/m <sup>3</sup>	12179-04-3
Sodium Nitrite	40-50	ND	7632-00-0
Sodium Nitrate	5-10	ND	7631-99-4
Sodium Metaborate Dihydrate	10-20	ND	16800-11-6
2-Mercaptobenzothiazole	10-15	ND	149-30-4

**III. Physical Data**

**Density:** 55.000 lb/cu.  
**Freeze Point:** NA  
**Viscosity (cps 70F, 21C):** NA  
**Vapor Pressure (mmHg):** < 0.1  
**Vapor Density (air = 1):** < 1.00  
**Solubility in Water:** ~ 10.0%  
**pH (1.0% soln):** ~ 10.5  
**Flash Point P-M (CC):** > 200F > 93C  
**Evaporation Rate (ether = 1):** < 1.00  
**Physical State:** Pellet/Briquette  
**Odor:** Slight  
**Appearance:** White to Yellow

#### IV. Fire and Explosion Hazard Data

**Flash Point (Test Method):** NA  
**Flammable Limits in Air (% by volume):** **Lower** = ND **Upper** = ND  
**Extinguishing Media:** Water, CO<sub>2</sub>, Chemical Foam  
**Special Firefighting Procedures:** Wear self-contained breathing apparatus. Contact with strong acids or thermal decomposition may product toxic fumes.  
**Unusual Fire and Explosion Hazards:** None

#### V. Reactivity Data

**Stability:** Stable under normal storage conditions.  
**Incompatibility (materials to avoid):** Strong acids, strong oxidizers, extreme heat, reducing agents, moisture.  
**Hazardous Polymerization:** Will not occur.  
**Hazardous Combustion or Decomposition Products:** Oxides of carbon and nitrogen.

#### VI. Health Hazard Data

**Ingredients Listed as Carcinogenic in NTP, IARC or OSHA (specify):** None

##### Acute Effects of Overexposure

**Eye Contact:** Causes eye irritation.  
**Skin Contact:** May be irritating to the skin.  
**Inhalation:** May be irritating to the respiratory tract.  
**Ingestion:** May be harmful if swallowed.  
**Principal Routes of Absorption:** Skin contact, eye contact, ingestion, inhalation.

##### 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. Spill material will become slippery when water is added.  
**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:** A respiratory protection program that meets OSHA's 29CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. Use air purifying respirators within use limitations associated with the equipment or else use supplied air-respirators. If air-purifying respirator use is appropriate, use a respirator with dust/mist filters.
- Eyes:** Chemical splash goggles.
- Gloves:** Impervious.
- Other Clothing and Equipment:** Other protective clothing depending on degree of exposure.

## IX. Handling and Storage

- Handling:** Normal chemical handling.
- Storage:** Keep containers closed when not in use. Keep dry. Do not store at elevated temperatures nor near oxidizers.

## X. Toxicological Information

- Oral LD50 Rat:** ~ 225 mg/kg (estimated value)
- Dermal LD50 Rabbit:** > 2,000 mg/kg (estimated value)

## XI. Regulatory Information

**TSCA:** All components of this product are listed in the TSCA inventory.

**CERLA and/or SARA REPORTABLE QUANTITY (RQ):** No regulated constituent present.

**SARA SECTION 312 HAZARD CLASS:** Immediate (acute); Delayed (chronic).

**SARA SECTION 302 CHEMICALS:** No regulated constituent present at OSHA thresholds.

**SARA SECTION 313 CHEMICALS:**

<u>CAS #</u>	<u>CHEMICAL NAME</u>	<u>RANGE</u>
7632-00-0	Sodium Nitrite	41.0 - 50.0%
7631-99-4	Sodium Nitrate	6.0 - 10.0%
149-30-4	2-Mercaptobenzothiazole	11.0 - 15.0%

**CALIFORNIA REGULATORY INFORMATION:**

**CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65) CHEMICALS PRESENT:** No regulated constituent present.

**MICHIGAN REGULATORY INFORMATION:** No regulated constituent present.

## XII. NFPA / HMIS

Health	2	Slight Hazard
Fire	0	Slight Hazard
Reactivity	0	Minimal Hazard
Special	None	No Special Hazard
Protective Equipment <sup>(1)</sup>	C	Goggles, Gloves

<sup>(1)</sup> refer to section VIII of MSDS for additional protective equipment recommendations.

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