

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

**WC22**

**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) 887-8836

**DOT Hazard:** Not Regulated  
**UN/NA Number:** NA  
**DOT Emergency Response Guide:** NA  
**DOT Hazard Description:** Not Regulated

**II. Hazardous Ingredients**

<b><u>Material</u></b>	<b><u>TLV (Units)</u></b>	<b><u>CAS #</u></b>
Silicic Acid, Disodium Salt (Sodium Metasilicate)	ND	6834-92-0
Boric Acid, Disodium Salt, Pentahydrate	1mg/m <sup>3</sup>	12179-04-3
Sodium Nitrite	ND	7632-00-0
Sodium Nitrate	ND	7631-99-4
Sodium Metaborate Dihydrate	ND	16800-11-6
2-Mercaptobenzothiazole	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  
**Odor:** Slight  
**Appearance:** White to Yellow

#### **IV. Fire and Explosion Hazard Data**

**Flash Point (Test Method):** > 200F > 93C P-M (CC)  
**Extinguishing Media:** Flood with water. Use of CO<sub>2</sub> or foam may not be effective.  
**Special Firefighting Procedures:** Fire fighters should wear positive pressure self-contained breathing apparatus (full face-piece type)  
**Miscellaneous:** NA

#### **V. Reactivity Data**

**Stability:** Stable under normal storage conditions.  
**Incompatibility (materials to avoid):** May react with organics or reducing agents.  
**Hazardous Polymerization:** Will not occur.  
**Hazardous Decomposition Products:** Thermal decomposition (destructive fires) yields elemental oxides.

#### **VI. Health Hazard Data**

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

##### **Acute Effects of Overexposure**

**Eye Contact:** Severe irritant to the eyes. May cause tearing.  
**Skin Contact:** May cause slight irritation to the skin. Potential skin sensitizer.  
**Inhalation:** Primary route of exposure; Dusts cause irritation to the upper respiratory tract.  
**Ingestion:** Toxic; May cause gastrointestinal irritation with possible nausea, vomiting, abdominal discomfort and diarrhea.

##### **Emergency and First Aid Procedures**

**Eyes:** Flush at once with plenty of cool water for 15 minutes. Contact a physician.  
**Skin:** Remove any contaminated clothing. Flush affected area with plenty of water for 15 minutes. If irritation develops, consult a physician.  
**Inhalation:** Move victim to fresh air. If symptoms persist, consult a physician.  
**Ingestion:** Do not feed anything by mouth to an unconscious or convulsive victim. Dilute contents of stomach. Induce vomiting by one of the standard methods. Immediately contact a physician.

#### **VII. Spill or Leak Procedures**

**Protection and Spill Containment:** Ventilate area. Use specified protective equipment. Contain and absorb on absorbant material. Place in waste disposal container. Flush area with water. Spread sand/grit.  
**Waste Disposal Method:** Water contaminated with this product may be sent to a sewer treatment facility, in accordance with federal, state and local guidelines. Product as is — incinerate or land dispose in approved landfill.

#### **VIII. Special Protection Information**

**Ventilation Requirements:** Adequate ventilation to maintain air contaminants below exposure limits.

## 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:** Neoprene gloves — wash off after each use. Replace as necessary.

## IX. Handling and Storage

- Handling:** Avoid all contact with reducing agents, oils, greases, organics and acids.
- Storage:** Keep containers closed when not in use. Keep dry.

## X. Toxicological Information

- Oral LD50 Rat:** ~ 260 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):** 224 pounds due to Sodium Nitrite

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

**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 at OSHA thresholds.

**MICHIGAN REGULATORY INFORMATION:** No regulated constituent present at OSHA thresholds.

## XII. NFPA / HMIS

Health	2	Moderate Hazard
Fire	1	Slight Hazard
Reactivity	1	Minimal Hazard
Special	OX	Oxidizer
Protective Equipment <sup>(1)</sup>	B	Goggles, Gloves

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

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