

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

WC2 WC9
WC3 WC10
WC4 WC14
WC5 WC21
WC6

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

Chemical Family: Alkali Metal Salts
DOT Hazard Class: Corrosive solid, basic, inorganic, n.o.s., 8, UN3262, PGIII
(Contains: Disodium trioxosilicate, Sodium tetraborate)
DOT Shipping Name: ORM-D

II. Hazardous Ingredients

<u>Material</u>	<u>%</u>	<u>TLV (Units)</u>	<u>CAS #</u>
Disodium Trioxosilicate (Sodium Metasilicate)	20-30	ND	6834-92-0
Boric Acid (Sodium Tetraborate)	7-10	1mg/m ³	12179-04-3
Sodium Nitrite	50-60	ND	7632-00-0
Tolyltriazole	10-15	ND	29385-43-1

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): N/A
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 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: 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.
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, inhalations.

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: Move 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:** ~190 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.
- SARA SECTION 313 CHEMICALS:**

<u>CAS #</u>	<u>CHEMICAL NAME</u>	<u>RANGE</u>
7632-00-0	Sodium Nitrite	41.0 - 50.0%

- 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 ⁽¹⁾	C	Goggles, Gloves

⁽¹⁾ refer to section VIII of MSDS for additional protective equipment recommendations.

All information, recommendations, and suggestions appearing herein concerning this compound are based upon data obtained from the raw material manufacturers and/or recognized technical sources; however, Dober Chemical Corp. makes no warranty, representation, or guarantee as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of his own use, handling and disposal of the product. Since actual use by others is beyond our control, no warranty, express or implied, is made by Dober Chemical as to the effects of such use, the results to be obtained or the safety and toxicity of the product. The data in this MSDS relate only to the specific product designated herein and do not relate to use in combination with any other material or in any process.

Hastings Premium Filters does not develop, prepare, or review the contents of any Material Safety Data Sheet; the MSDS is provided by Dober Chemical Corp., the manufacturer of the chemical in our product. The statements, technical information and recommendations contained herein are transmitted without warranty or guarantee of any kind, expressed or implied by Hastings Premium Filters. Furthermore, Hastings Premium Filters assumes no responsibility for any loss, damage or expense, direct or consequential, arising out of their use.



4400 East Highway 30 ■ P.O. Box 6006
Kearney, NE 68848-6006
PH: 800-887-8836 ■ FAX: 800-210-6906
Internet: www.hastingsfilter.com