

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

CS103

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 in Water
DOT Hazard: Not Applicable
UN/NA Number: Not Applicable
DOT Emergency Response Guide: Not Applicable
DOT Hazard Description: Not Applicable

II. Hazardous Ingredients

<u>Material</u>	<u>TLV (Units)</u>	<u>CAS #</u>
Phosphoric Acid, Tripotassium Salt	ND	7778-53-2
Potassium Nitrite	ND	7758-09-0
Potassium Nitrate	ND	7757-79-1
Sodium Molybdate (Molybdic Acid, Disodium Salt)	0.5mg/m ³	7631-95-0

III. Physical Data

Specific Gravity (70F, 21C): 1.152
Freeze Point: 10F -12C
Viscosity (cps 70F, 21C): 10
Vapor Pressure (mmHg): ~ 18.0
Vapor Density (air = 1): < 1.00
Solubility in Water: Complete
pH (as is): ~ 10.4
Flash Point P-M (CC): > 200F > 93C
Evaporation Rate (ether = 1): < 1.00
Physical State: Liquid
Odor: Slight
Appearance: Colorless to Yellow

IV. Fire and Explosion Hazard Data

Flash Point (Test Method): > 200F > 93C P-M (CC)
Extinguishing Media: Flood with water. Use of CO₂ or foam may not be effective.
Special Firefighting Procedures: Fire fighters should wear positive pressure self-contained breathing apparatus (full face-piece type)

V. Reactivity Data

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

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.
Skin Contact: May cause slight irritation to the skin.
Inhalation: Mists/aerosols may cause irritation to upper respiratory tract.
Ingestion: May cause slight gastrointestinal irritation.

Emergency and First Aid Procedures

Eyes: Flush at once with plenty of cool water for 15 minutes. Get immediate medical attention.
Skin: Remove any contaminated clothing. Flush affected area with plenty of water for 15 minutes. If irritation develops, get medical attention.
Inhalation: Move victim to fresh air. If symptoms persist, consult a physician.
Ingestion: Seek medical attention immediately. Give large quantities of water or milk to dilute. Never give anything by mouth to an unconscious person. Do not induce vomiting.

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:** Contains an oxidizer. Avoid all contact with reducing agents, oils, greases, organics and acids. Do not allow to dry.
- Storage:** Keep containers closed when not in use. Reasonable and safe chemical storage. Protect from freezing

X. Toxicological Information

- Oral LD50 Rat: > 2,000 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): None
SARA SECTION 312 HAZARD CLASS: Immediate (acute); Delayed (chronic)
SARA SECTION 302 CHEMICALS: None
SARA SECTION 313 CHEMICALS:

CAS #	CHEMICAL NAME	RANGE
7757-79-1	Potassium Nitrate	2.0 - 5.0%
67-56-1	Methanolf	<0.1%

- CALIFORNIA REGULATORY INFORMATION:**
CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65) CHEMICALS PRESENT: None
MICHIGAN REGULATORY INFORMATION: None

XII. NFPA / HMIS

Health	1	Slight Hazard
Fire	0	Minimal Hazard
Reactivity	0	Minimal Hazard
Special	None	No Special Hazard
Protective Equipment ⁽¹⁾	B	Goggles, gloves

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

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