

**Material Safety Data Sheet**  
**WF1004N**  
**Coolant Filters / Conditioners**

**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

**Product Number:** NAPA 4082, 4085, 4090

**Trade Name and Synonyms:** NAPA Coolant Filters / Conditioners

**Chemical Name and Synonyms:** Phosphate-nitrite-molybdate corrosion inhibitor.

**Chemical Family:** Industrial water treatment

**Product Use:** Vehicle coolant treatment

**MSDS Date of Preparation:** April 29, 2012

**Company Identification**

Manufacturer

NAPA Filters

PO Box 1967

Gastonia, NC 28053

Telephone Numbers

Product Information: (704) 869-3700 x2769

Emergency Phone: (800) 424-9300 Chemtrec

**SECTION 2: HAZARDS IDENTIFICATION**

**Physical Appearance:** Beige solid tablet inside a coolant filter

**EMERGENCY OVERVIEW**

**Hazards Identification:** The tablet is enclosed in a coolant filter so exposure to the hazardous chemicals will not occur during normal handling. Direct contact with tablet may cause eye and skin irritation or burns. Repeated skin contact may cause allergic skin reaction. Inhalation of dust from tablet may cause irritation of the nose, throat and upper respiratory tract. Ingestion of tablet may be fatal.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS Number	Amount
Tetrapotassium pyrophosphate	7320-34-5	20-30%
Sodium Nitrite	7632-00-0	15-20%
Sodium Molybdate	7631-95-0	5-10%
Potassium Nitrate	7757-79-1	5-10%

**SECTION 4: FIRST AID MEASURES**

**Eye Contact:** Flush eyes thoroughly with running water for at least 15 minutes. Get immediate medical attention.

**Skin Contact:** Flush with water for at least 15 minutes then wash with mild soap and water. Seek medical attention if irritation or other symptoms develop.

**Inhaled:** If dust from tablet is inhaled, remove to fresh air. Seek immediate medical attention.

**Swallowed:** If swallowed, do not induce vomiting. Rinse mouth with water and drink 1-2 glasses of water. Seek immediate medical attention.

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**SECTION 5: FIRE FIGHTING MEASURES**

**Fire and Explosion Hazards:** The tablet is not flammable or combustible. The tablet contains potassium nitrate and sodium nitrite which are oxidizers and can enhance the burning of other materials.

**Extinguishing Media:** Use any media that is appropriate for the surrounding fire.

**Special Fire Fighting Procedures:** Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing. Cool fire exposed containers and structures with water. This material is toxic to aquatic organisms. Fire water contaminated with this material must be contained.

**Hazardous Combustion Products:** Carbon oxides, oxides of nitrogen, molybdenum oxides, oxides of phosphorus and sodium oxides.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

Use appropriate protective clothing and equipment during clean-up. If filter is not damaged, pick up and keep for use. If the filter is damaged and the tablet is released, collect in a manner that minimizes the generation of airborne dust. Place collected material into suitable containers for disposal.

**SECTION 7: HANDLING AND STORAGE**

Handle filters in a manner that minimizes the risk of damage and release of contents. In handling damaged filters, avoid generating and breathing dusts and avoid contact with eyes, skin or clothing.

**Storage:** Store in a cool, dry, well-ventilated area away from combustible materials, acids and other incompatible materials.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

Chemical Name	Exposure Limits
Tetrapotassium pyrophosphate	None Established
Sodium nitrite	None Established
Sodium Molybdate (as soluble Mo)	0.5 mg/m <sup>3</sup> respirable TWA ACGIH TLV 5 mg/m <sup>3</sup> TWA OSHA PEL
Potassium Nitrate	None Established

**Ventilation:** No special ventilation required for handling undamaged filters.

**Respiratory Protection:** For operations where exposures are excessive or irritation is experienced, a NIOSH approved respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow OSHA 1910.134, ANSI Z88.2 and good Industrial Hygiene practice.

**Skin Protection:** Wear rubber or other impervious gloves when handling damaged filters or tablets.

**Eye Protection:** Safety glasses or goggles required for handling damaged filters or tablets.

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

The following applies to the internal tablet

**Appearance and Odor:** Beige tablet inside a coolant filter. Little odor.

**Specific Gravity:** Not available

**Boiling Point:** Not applicable

**Water Solubility:** 83%

**Melting Point:** Not determined

**Vapor Pressure:** Not applicable

**Flash Point:** Not applicable

**Vapor Density:** Not applicable

**Autoignition Point:** Not determined

**pH:** Not available

**SECTION 10: STABILITY AND REACTIVITY**

**Stability:** This product is stable.

**Incompatibility/Conditions to Avoid:** Avoid extreme heat. Incompatible with oxidizing materials, reducing agents, organic materials, acids and moisture.

**Hazardous Decomposition Products:** Thermal decomposition will generate carbon oxides, oxides of nitrogen, molybdenum oxides, oxides of phosphorus and sodium oxides.

**Hazardous Polymerization:** Will not occur

**SECTION 11: TOXICOLOGICAL INFORMATION**

**Potential Health Effects:** Handling undamaged filters will not result in adverse effects. The following information pertains to exposure to the coolant treatment tablets.

**Eye:** May cause severe irritation or burns.

**Skin:** May cause irritation. Sodium nitrite may be harmful if absorbed through the skin. Repeated skin contact may cause allergic skin reaction.

**Inhalation:** Dust may cause irritation of the mucous membranes and upper respiratory tract. Absorption may cause effects similar to those described under ingestion.

**Ingestion:** May be fatal if swallowed. May cause burns to the mouth and throat, dizziness, nausea, vomiting, low blood pressure, cyanosis, rapid heart beat, convulsions and collapse.

**Chronic/Carcinogenicity:** Prolonged or repeated exposure may cause nervous system effects, liver damage, kidney damage and effects on the blood. Soluble molybdenum compounds cause cancer in laboratory animals. The relevance of this to humans is unknown at this time. Soluble molybdenum compounds are classified by ACGIH as A3 (confirmed animal carcinogen with unknown relevance to humans). None of the other components of this product present at 0.1% or greater are listed as carcinogens by ACGIH, IARC, NTP or OSHA.

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**SECTION 12: ECOLOGICAL INFORMATION**

No ecotoxicity data is available for the product. Sodium nitrite is considered very toxic to the aquatic environment. Avoid release to the environment.

**SECTION 13: DISPOSAL INFORMATION**

Dispose in accordance with all local and national regulations.

**SECTION 14: TRANSPORT INFORMATION**

US DOT Shipping Description: Not regulated

IMDG Code (Ocean): Not regulated

ICAO/IATA (AIR): Not regulated

Note: If a package contains 500 lbs or more of tablets, the shipping description is UN3077, Environmentally Hazardous Substance, solid, n.o.s. (Sodium Nitrite), 9, III RQ

**SECTION 15: REGULATORY INFORMATION**

**CERCLA 103 Reportable Quantity:** The tablets have a reportable quantity of 500 lbs based on 20% sodium nitrite with an RQ of 100 lbs. Many states have more stringent reporting requirements. Report releases as required by all federal, state and local authorities.

**SARA TITLE III:**

**Hazard Category for Section 311/312:** Acute health, chronic health

**Section 313 Toxic Chemicals:** This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements: Sodium nitrite 10-20%  
Potassium nitrate (nitrate compound) 5-10%

**Section 302 Extremely Hazardous Substances (TPQ):** None

**EPA Toxic Substances Control Act (TSCA) Status:** All of the components of this product are listed on the TSCA inventory.

**California Proposition 65:** This product is not known to contain regulated chemicals.

**Canadian WHMIS Classification:** Class C, Class D-1-A, Class D-2-B

**Canadian CEPA Status:** All of the components are on the Canadian DSL.

**SECTION 16: OTHER INFORMATION**

**NFPA Hazard Rating:** Health: 2      Fire: 0      Instability: 1

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**HMIS Hazard Rating:** Health: 2      Fire: 0      Physical Hazard: 1

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