

Material Safety Data Sheet
Spin-on Coolant Filters / Conditioners

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: NAPA 4071, 4072, 4073, 4074, 4428, 4429, 4008
WIX 24071, 24072, 24073, 24074, 24428, 24429, 24008
CARQUEST 89071, 89072, 89073, 89074, 89428, 89429, 89008

Trade Name and Synonyms: NAPA Spin-on Coolant Filters / Conditioners
Wix Spin-on Coolant Filters / Conditioners
CARQUEST Spin-on Coolant Filters / Conditioners

Chemical Name and Synonyms: Nitrite-nitrate-borate corrosion inhibitor.

Chemical Family: Industrial water treatment

Product Use: Vehicle coolant treatment

MSDS Date of Preparation: March 31, 2011

Company Identification

Manufacturer

Wix Filtration Products Division, Affinia Group
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: White to yellowish briquette inside a coolant filter

EMERGENCY OVERVIEW

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

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Amount
Sodium Nitrite	7632-00-0	30-60%
2-Mercaptobenzothiazole	149-30-4	10-30%
Sodium Borate	1303-96-4	5-10%
Sodium Nitrate	7631-99-4	5-10%
Disodium Metasilicate	6834-92-0	5-10%

SECTION 4: FIRST AID MEASURES

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

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Skin Contact: Flush with water for at least 15 minutes then wash with mild soap and water. Seek medical attention if irritation develops.

Inhaled: If dust from briquette 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.

SECTION 5: FIRE FIGHTING MEASURES

Fire and Explosion Hazards: The briquette is not flammable or combustible.

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, boron oxides, oxides of sulfur 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 briquette 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
Sodium nitrite	None Established
2-Mercaptobenzothiazole	5 mg/m ³ TWA skin AIHA WEEL
Sodium borate	2 mg/m ³ TWA, 6 mg/m ³ STEL ACGIH TLV (inhalable)
Sodium nitrate	None Established
Disodium Metasilicate	None Established

Ventilation: No special ventilation required for handling undamaged filters.

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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 briquettes.

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

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

The following applied to the internal briquette

Appearance and Odor: White to yellowish briquette inside a coolant filter

Specific Gravity: 1.0

Boiling Point: Not applicable

Water Solubility: Very slightly soluble

Melting Point: Not determined

Vapor Pressure: Not applicable

Flash Point: Not applicable

Vapor Density: Not applicable

Autoignition Point: Not determined

pH: 10.5 (1% solution)

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, metals, acids and moisture.

Hazardous Decomposition Products: Thermal decomposition will generate carbon oxides, oxides of nitrogen, boron oxides, oxides of sulfur 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 briquettes.

Eye: May cause severe irritation or burns.

Skin: May cause irritation. Sodium nitrite and sodium borate 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. Sodium borate causes adverse reproductive effects in

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laboratory animals.. None of the components of this product present at 0.1% or greater are listed as carcinogens by ACGIH, IARC, NTP or OSHA.

SECTION 12: ECOLOGICAL INFORMATION

No ecotoxicity data is available for the product. 2-Mercaptobenzothiazole and sodium nitrite are 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 166 lbs or more of briquettes, 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 briquettes have a reportable quantity of 166 lbs based on 60% 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 30-60%
- Sodium nitrate (nitrate compound) 5-10%
- 2-Mercaptobenzothiazole 10-30%

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 contains <0.1% ethylene oxide, which is know to the State of California to cause cancer, birth defects and other reproductive harm.

International Inventories: The components of this product are listed on or exempt from the following international inventories: Canadian DSL, Australia, China, New Zealand, Philippines.

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SECTION 16: OTHER INFORMATION

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

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

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