



NF2088SM

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

Date of issue: 02/23/2018

Revision date: 02/23/2018

Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form : Article
Product name : PENRAY NEED RELEASE FILTER
Product code : NF2088SM

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Coolant filters

1.3. Details of the supplier of the safety data sheet

Manufacturer

The Penray Companies, Inc.
440 Denniston Ct.
Wheeling, IL 60090
T (800) 373-6729
rotto@penray.com

Distributor

Add the name, address and tel. number of the Canadian manufacturer or importer who operates in Canada

1.4. Emergency telephone number

Emergency number : (800) 373-6729
CHEMTREC (800) 424-9300
CHEMTREC International +1 (703) 527-3887 24 hr

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

GHS classification

Manufactured Article: GHS classification and labelling not applicable. This product is exempt from classification and labelling as per C.F.R. 1910.1200(b)(6)(v) and the Hazardous Products Act, Paragraph 12(i).

2.2. Label elements

GHS labelling

No labelling applicable

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Sodium nitrite	(CAS-No.) 7632-00-0	33.07
Disodium carbonate	(CAS-No.) 497-19-8	9.44
Tolyl triazole	(CAS-No.) 29385-43-1	9.24
Boric acid (H3BO3)	(CAS-No.) 10043-35-3	3.81
Magnesium stearate	(CAS-No.) 557-04-0	1.00

* All ingredients are entirely contained within a sealed metal canister.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : None under normal use. If dust from internal contents is inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical advice/attention if you feel unwell.

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First-aid measures after skin contact	: None under normal use. In case of contact with internal contents, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.
First-aid measures after eye contact	: None under normal use. In case of contact with internal contents, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.
First-aid measures after ingestion	: None under normal use. If internal components are swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation	: None under normal use. Inhalation of dust from internal components may cause respiratory irritation. May cause drowsiness and dizziness.
Symptoms/effects after skin contact	: None under normal use. Contact with internal components causes severe skin burns. Symptoms may include redness, edema, drying, defatting and cracking of the skin.
Symptoms/effects after eye contact	: None under normal use. Contact with internal components causes severe eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
Symptoms/effects after ingestion	: None under normal use. Internal components are harmful if swallowed. May cause stomach distress, nausea or vomiting.

4.3. Indication of any immediate medical attention and special treatment needed

Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media	: None known.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Products of combustion may include, and are not limited to: oxides of carbon.
Reactivity	: No dangerous reactions known under normal conditions of use.

5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers.
Protection during firefighting	: Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.
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6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

For containment	: If filters are damaged and internal components are released, collect all material then place in a suitable container. Minimize dust generation. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).
Methods for cleaning up	: Vacuum or sweep material and place in a disposal container.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Handle container with care. When using do not eat, drink or smoke. If filters are damaged and internal components are released, do not get in eyes, on skin, or on clothing. Do not breathe dust. Do not swallow. (See section 8)
- Hygiene measures : Wash contaminated clothing before reuse. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep out of the reach of children. Keep only in original container. Store in a dry, cool area.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Sodium nitrite (7632-00-0)		
Not applicable		
Disodium carbonate (497-19-8)		
Not applicable		
Tolyl triazole (29385-43-1)		
Not applicable		
Boric acid (H3BO3) (10043-35-3)		
ACGIH	ACGIH TWA (mg/m ³)	2 mg/m ³ (inhalable particulate matter)
ACGIH	ACGIH STEL (mg/m ³)	6 mg/m ³ (inhalable particulate matter)
Magnesium stearate (557-04-0)		
ACGIH	ACGIH TWA (mg/m ³)	10 mg/m ³ (inhalable particulate matter) 3 mg/m ³ (respirable particulate matter)

8.2. Exposure controls

- Appropriate engineering controls : Ensure good ventilation of the work station.
- Hand protection : None necessary under normal conditions of use. In situations where contact with internal components is likely, wear chemical resistant gloves.
- Eye protection : None necessary under normal conditions of use. In situations where contact with internal components is likely, wear approved eye protection (properly fitted dust- or splash-proof chemical safety goggles) and face protection (face shield).
- Skin and body protection : None necessary under normal conditions of use. In situations where contact with internal components is likely, wear suitable protective clothing.
- Respiratory protection : None necessary under normal conditions of use. In situations where contact with internal components is likely and the exposure limits are exceeded, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
- Environmental exposure controls : Avoid release to the environment.
- Other information : Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Solid
- Appearance : Cylindrical canister
- Colour : Yellow
- Odour : None
- Odour threshold : No data available
- pH : 11.6 (10 % solution)
- Melting point : No data available
- Freezing point : No data available
- Boiling point : No data available
- Flash point : No data available
- Relative evaporation rate (butylacetate=1) : No data available

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Flammability (solid, gas)	: Not flammable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

No special precautions required. Consider the directions for use and storage.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not applicable
Acute toxicity (dermal)	: Not applicable
Acute toxicity (inhalation)	: Not applicable

Sodium nitrite (7632-00-0)	
LD50 oral rat	85 mg/kg
LC50 inhalation rat	5.5 mg/l/4h

Disodium carbonate (497-19-8)	
LD50 oral rat	4090 mg/kg
LC50 inhalation rat	2300 mg/m ³ (Exposure time: 2 h)

Tolyl triazole (29385-43-1)	
LD50 oral rat	675 mg/kg
LD50 dermal rabbit	> 4000 mg/kg
LC50 inhalation rat	> 1.73 mg/l (Exposure time: 1 h)

Boric acid (H3BO3) (10043-35-3)	
LD50 oral rat	2660 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat	> 0.16 mg/l/4h

Skin corrosion/irritation	: Not applicable
Serious eye damage/irritation	: Not applicable

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Respiratory or skin sensitisation	: Not applicable
Germ cell mutagenicity	: Not applicable
Carcinogenicity	: Not applicable
Reproductive toxicity	: Not applicable
STOT-single exposure	: Not applicable
STOT-repeated exposure	: Not applicable
Aspiration hazard	: Not applicable
Symptoms/effects after inhalation	: None under normal use. Inhalation of dust from internal components may cause respiratory irritation. May cause drowsiness and dizziness.
Symptoms/effects after skin contact	: None under normal use. Contact with internal components causes severe skin burns. Symptoms may include redness, edema, drying, defatting and cracking of the skin.
Symptoms/effects after eye contact	: None under normal use. Contact with internal components causes severe eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
Symptoms/effects after ingestion	: None under normal use. Internal components are harmful if swallowed. May cause stomach distress, nausea or vomiting.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : May cause long-term adverse effects in the aquatic environment.

Sodium nitrite (7632-00-0)	
LC50 fish 1	0.19 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])
LC50 fish 2	0.092 - 0.13 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])
Disodium carbonate (497-19-8)	
LC50 fish 1	300 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 Daphnia 1	265 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 fish 2	310 - 1220 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
Boric acid (H3BO3) (10043-35-3)	
EC50 Daphnia 1	115 - 153 mg/l (Exposure time: 48 h - Species: Daphnia magna)

12.2. Persistence and degradability

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Persistence and degradability	Not established.

12.3. Bioaccumulative potential

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Bioaccumulative potential	Not established.
Sodium nitrite (7632-00-0)	
Partition coefficient n-octanol/water	-3.7 (at 25 °C)
Disodium carbonate (497-19-8)	
BCF fish 1	(no bioaccumulation)
Boric acid (H3BO3) (10043-35-3)	
BCF fish 1	0
Partition coefficient n-octanol/water	-0.757 (at 25 °C)

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information : No other effects known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. The generation of waste should be avoided or minimized wherever possible.

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SECTION 14: Transport information

Department of Transportation (DOT) and Transportation of Dangerous Goods (TDG)

In accordance with DOT/TDG

Not regulated

SECTION 15: Regulatory information

15.1. Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for:

Phosphonic acid, methyl-, mono[3-(trihydroxysilyl)propyl] ester, monosodium salt	CAS-No. 84962-98-1
Phosphonic acid, methyl-, monomethyl ester, monosodium salt	CAS-No. 73750-69-3

All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories except for:

Phosphonic acid, methyl-, monomethyl ester, monosodium salt	CAS-No. 73750-69-3
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15.2. International regulations

No additional information available

15.3. US State regulations

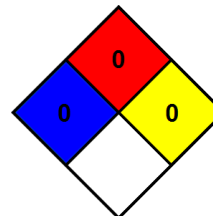
⚠ WARNING This product can expose you to Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

SECTION 16: Other information

Revision date : 02/23/2018
Other information : None.
Prepared by : Nexreg Compliance Inc.
www.Nexreg.com



NFPA health hazard : 0
NFPA fire hazard : 0
NFPA reactivity : 0



SDS HazCom 2012 - WHMIS 2015 (NexReg)

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