

DCA 4 Pellets/Powder/Paste

Safety Data Sheet

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

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SECTION 1: Identification

1.1. Identification

Product name : DCA 4 Pellets/Powder/Paste
Product code : WF2070 - WF2076; WF2082 - WF2087; WF2015; WF2022; WF2104; WF2106; WF2100B; WF2100C; WF2108; WF2093; WF2126

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

Use of the substance/mixture : Cooling system additive, spin on coolant filters

1.3. Details of the supplier of the safety data sheet

Manufacturer

Cummins Filtration
1200 Fleetguard Road
Cookeville, TN 38506 - USA
T 1-800-22-FILTER (1-800-223-4583)

Distributor

Cummins Western Canada
Canadian Distributor
11751 181 St.
Edmonton, AB T5S 2K5 - Canada
T 1-780-455-2151

1.4. Emergency telephone number

Emergency number : Chemtrec 1-800-424-9300 (Within Continental U.S.) Chemtrec 703-527-3887 (Outside U.S.).

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

Not 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	%
Diphosphoric acid, tetrapotassium salt	(CAS-No.) 7320-34-5	28.0 - 34.3
Sodium nitrite	(CAS-No.) 7632-00-0	14.9 - 18.2
Sodium molybdate	(CAS-No.) 7631-95-0	5.6 - 6.9
1H-Benzotriazole	(CAS-No.) 95-14-7	4.3 - 5.3
Sodium metasilicate	(CAS-No.) 6834-92-0	3.1 - 3.8
Sodium xylenesulfonate	(CAS-No.) 1300-72-7	1.4 - 1.7

Comments : The concentrations listed represent actual ranges that result from batch variability.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Not applicable for product in finished form.
First-aid measures after skin contact : Not applicable for product in finished form. If irritation occurs, flush skin with plenty of water. Get medical attention if irritation persists.
First-aid measures after eye contact : Not applicable for product in finished form. If irritation occurs, immediately flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.
First-aid measures after ingestion : Not applicable for product in finished form.

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

Symptoms/effects after inhalation	: Not a normal route of exposure.
Symptoms/effects after skin contact	: No known adverse effects.
Symptoms/effects after eye contact	: No known adverse effects.
Symptoms/effects after ingestion	: Not a normal route of exposure.

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. Sodium oxide. Nitrogen oxides. Phosphorus. Sulfur oxides. irritating fumes.
Explosion hazard	: Under fire conditions closed containers may rupture or explode.
Reactivity	: No dangerous reactions known under normal conditions of use. Contact with combustible material may cause fire.

5.3. Advice for firefighters

Firefighting instructions	: Cool closed containers exposed to fire with water spray.
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. Remove all sources of ignition.
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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	: Pick up large pieces, then place in a suitable container.
Methods for cleaning up	: Sweep or shovel spills into appropriate container for disposal. Provide ventilation.

6.4. Reference to other sections

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Avoid contact with internal filter pellets. Handle with care.
Hygiene measures	: Wash hands before eating, drinking, or smoking.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Keep out of the reach of children. Store in a dry place.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Diphosphoric acid, tetrapotassium salt (7320-34-5)

Not applicable

Sodium nitrite (7632-00-0)

Not applicable

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Sodium molybdate (7631-95-0)
Not applicable
1H-Benzotriazole (95-14-7)
Not applicable
Sodium metasilicate (6834-92-0)
Not applicable
Sodium xylenesulfonate (1300-72-7)
Not applicable

8.2. Exposure controls

Appropriate engineering controls	: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.
Hand protection	: None necessary under normal conditions of use.
Eye protection	: None necessary under normal conditions of use.
Skin and body protection	: None necessary under normal conditions of use.
Respiratory protection	: None necessary under normal conditions of use.
Environmental exposure controls	: Maintain levels below Community environmental protection thresholds.
Other information	: Handle in accordance with good industrial hygiene and safety procedures.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Pellets contained within filter
Colour	: White (pellets/powder) blue (paste)
Odour	: Little or no odour.
Odour threshold	: No data available
pH	: No data available
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
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: Water: completely soluble
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. Contact with combustible material may cause fire.

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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

Sparks, heat, open flame and other sources of ignition. Combustible materials. Incompatible materials.

10.5. Incompatible materials

Strong acids. Strong oxidizing agents. Reducing agents. Organic materials. Fluorine.

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information

Likely routes of exposure : None.

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

Sodium molybdate (7631-95-0)	
LD50 oral rat	4000 mg/kg
LC50 inhalation rat	> 2080 mg/m ³ (Exposure time: 4 h)

1H-Benzotriazole (95-14-7)	
LD50 oral rat	560 mg/kg
LD50 dermal rabbit	> 10000 mg/kg
LC50 inhalation rat	1910 mg/m ³ (Exposure time: 3 h)

Sodium metasilicate (6834-92-0)	
LD50 oral rat	1153 mg/kg

Sodium xylenesulfonate (1300-72-7)	
LD50 oral rat	1000 mg/kg

Skin corrosion/irritation : Not applicable.

Serious eye damage/irritation : Not applicable.

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 : Not a normal route of exposure.

Symptoms/effects after skin contact : No known adverse effects.

Symptoms/effects after eye contact : No known adverse effects.

Symptoms/effects after ingestion : Not a normal route of exposure.

SECTION 12: Ecological information

12.1. Toxicity

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

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Diphosphoric acid, tetrapotassium salt (7320-34-5)	
LC50 fish 1	> 100 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 Daphnia 1	> 100 mg/l (Exposure time: 48 h - Species: water flea)
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])
1H-Benzotriazole (95-14-7)	
LC50 fish 1	39 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 Daphnia 1	141.6 mg/l (Exposure time: 48 h - Species: water flea)
Sodium metasilicate (6834-92-0)	
LC50 fish 1	210 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [semi-static])
LC50 fish 2	210 mg/l (Exposure time: 96 h - Species: Brachydanio rerio)

12.2. Persistence and degradability

DCA 4 Pellets/Powder/Paste	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

DCA 4 Pellets/Powder/Paste	
Bioaccumulative potential	Not established.

Sodium nitrite (7632-00-0)	
Partition coefficient n-octanol/water	-3.7 (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 : Empty containers or liners may retain some product residues. This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

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.

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.

15.2. International regulations

No additional information available

15.3. US State regulations

No additional information available

SECTION 16: Other information

Revision date : 03/23/2018
Other information : None.
Prepared by : Nexreg Compliance Inc.
www.Nexreg.com



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