

DCA 4+ Immediate Release Water Filters

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: 11/11/2015

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Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : DCA 4+ Immediate Release Water Filters
Product code : WF2093, WF2070, WF2071, WF2072, WF2073, WF2087, WF2151, WF2015, WF2074, WF2075, WF2076, WF2083, WF2104, WF2104, WF2106, WF2108, WF2022, WF2082

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

Use of the substance/mixture : Spin on coolant filter containing additive for low silicate antifreeze.

1.3. Details of the supplier of the safety data sheet

Manufacturer:

Cummins Filtration
1200 Fleetguard Road
Cookeville, TN 38506 - USA
T 931-526-9551

Distributor:

Cummins Western Canada
Distribution Service
11751 181 St.
Edmonton, AB T5S 2K5, Canada
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: Hazards identification

2.1. Classification of the substance or mixture

GHS-US and GHS-CA 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-US and GHS-CA labelling

Not applicable.

2.3. Other hazards

No additional information available.

2.4. Unknown acute toxicity (GHS US and GHS-CA)

Not applicable.

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%
Tetrapotassium pyrophosphate	(CAS No) 7320-34-5	31
Sodium nitrite	(CAS No) 7632-00-0	17
Potassium nitrate	(CAS No) 7757-79-1	11
1H-Benzotriazole	(CAS No) 95-14-7	5
Sodium metaborate	(CAS No) 7775-19-1	4
Sodium metasilicate	(CAS No) 6834-92-0	3
Sodium polyacrylate	(CAS No) 9003-04-7	2
Sodium xylene sulfonate	(CAS No) 1300-72-7	2

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

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

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Treat for surrounding material.
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.
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5.3. Advice for firefighters

Protection during firefighting	: Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Use personal protection recommended in Section 8. Keep unnecessary personnel away from the release.
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6.2. Methods and material for containment and cleaning up

For containment	: Pick up large pieces, then place in a suitable container.
Methods for cleaning up	: Vacuum or sweep material and place in a disposal container.

6.3. Reference to other sections

See section 8 for further information on protective clothing and equipment and section 13 for advice on waste disposal.

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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7.3. Specific end use(s)

Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Tetrapotassium pyrophosphate (7320-34-5)

ACGIH	Not applicable
OSHA	Not applicable

Sodium nitrite (7632-00-0)

ACGIH	Not applicable
OSHA	Not applicable

Potassium nitrate (7757-79-1)

ACGIH	Not applicable
OSHA	Not applicable

1H-Benzotriazole (95-14-7)

ACGIH	Not applicable
OSHA	Not applicable

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Sodium metaborate (7775-19-1)

ACGIH	Not applicable
OSHA	Not applicable

Sodium metasilicate (6834-92-0)

ACGIH	Not applicable
OSHA	Not applicable

Sodium polyacrylate (9003-04-7)

ACGIH	Not applicable
OSHA	Not applicable

Sodium xylene sulfonate (1300-72-7)

ACGIH	Not applicable
OSHA	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 according to established industrial hygiene and safety practices.

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 - Pale yellow
Odour	: None
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)	: Not flammable
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Vapour pressure	: No data available
Relative density	: No data available
Relative vapour density at 20 °C	: 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	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

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9.2. Other information

No additional information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reaction known under conditions of normal use.

10.2. Chemical stability

Stable under normal storage conditions.

10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid

None known.

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 : Not applicable.

Tetrapotassium pyrophosphate (7320-34-5)	
LD50 dermal rabbit	> 4640 mg/kg

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

Potassium nitrate (7757-79-1)	
LD50 oral rat	3015 mg/kg

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

Sodium metaborate (7775-19-1)	
LD50 oral rat	2330 mg/kg

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

Sodium polyacrylate (9003-04-7)	
LD50 oral rat	> 40 g/kg

Sodium xylene sulfonate (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.

Ethylene oxide (75-21-8)	
IARC group	1 - Carcinogenic to humans
National Toxicology Program (NTP) Status	2 - Known Human Carcinogens
In OSHA Specifically Regulated Carcinogen list	Yes

Reproductive toxicity : Not applicable.

Specific target organ toxicity (single exposure) : Not applicable.

Specific target organ toxicity (repeated exposure) : Not applicable.

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

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : This product is not expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems.

12.2. Persistence and degradability

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Persistence and degradability	Not established.

12.3. Bioaccumulative potential

DCA 4+ Immediate Release Water Filters	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

No additional information available.

12.5. Other adverse effects

Effect on the global warming : No known ecological damage caused by this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible.

SECTION 14: Transport information

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

In accordance with DOT/TDG

Not regulated for transport

Additional information

Other information : No supplementary information available.
Special transport precautions : Do not handle until all safety precautions have been read and understood.

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.

Sodium nitrite (7632-00-0)	
Subject to reporting requirements of United States SARA Section 313	
EPA TSCA Regulatory Flag	S - S - indicates a substance that is identified in a proposed or final Significant New Uses Rule.
SARA Section 313 - Emission Reporting	1.0 %

Ethylene oxide (75-21-8)	
Listed on the United States SARA Section 302	
Subject to reporting requirements of United States SARA Section 313	
SARA Section 302 Threshold Planning Quantity (TPQ)	1000
SARA Section 313 - Emission Reporting	0.1 %

Tetrapotassium pyrophosphate (7320-34-5)	
Listed on the Canadian DSL (Domestic Substances List)	

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Sodium nitrite (7632-00-0)

Listed on the Canadian DSL (Domestic Substances List)

Potassium nitrate (7757-79-1)

Listed on the Canadian DSL (Domestic Substances List)

1H-Benzotriazole (95-14-7)

Listed on the Canadian DSL (Domestic Substances List)

Sodium metaborate (7775-19-1)

Listed on the Canadian DSL (Domestic Substances List)

Sodium metasilicate (6834-92-0)

Listed on the Canadian DSL (Domestic Substances List)

Sodium polyacrylate (9003-04-7)

Listed on the Canadian DSL (Domestic Substances List)

Sodium xylene sulfonate (1300-72-7)

Listed on the Canadian DSL (Domestic Substances List)

Ethylene oxide (75-21-8)

Listed on the Canadian DSL (Domestic Substances List)

15.2. US State regulations

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State or local regulations

This product contains chemicals known to the State of California to cause cancer.

SECTION 16: Other information

Date of issue : 11/11/2015
Revision date : 11/11/2015
Other information : None.
Prepared by : Nexreg Compliance, Inc.
Prepared for : Cummins Filtration

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