

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

Issue date: 3/23/2018

Revision date: 02/10/2026

Version: 3.0

SECTION 1: Identification

1.1. Identification

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

1.2. Recommended use and restrictions on use

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

1.3. Supplier

Manufacturer

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

Distributor

Fleetguard
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 the U.S.).

SECTION 2: Hazard(s) 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. GHS Label elements, including precautionary statements

Not applicable.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

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3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%
Diphosphoric acid, tetrapotassium salt	Diphosphoric acid, tetrapotassium salt Potassium pyrophosphate / Diphosphoric acid, tetrapotassium salt / Tetrapotassium diphosphate / Tetrapotassium diphosphate / Diphosphoric acid, potassium salt (1:4) / TETRAPOTASSIUM PYROPHOSPHATE / Potassium pyrophosphate, tetrabasic / Pyrophosphoric acid, tetrapotassium salt / potassium pyrophosphate	CAS-No.: 7320-34-5	28 – 34.3
Sodium nitrite	Sodium nitrite Diazotizing salts / Nitrous acid, sodium salt / Nitrous acid, sodium salt (1:1) / SODIUM NITRITE / sodium nitrite	CAS-No.: 7632-00-0	14.9 – 18.2
Sodium molybdate	Sodium molybdate Disodium molybdate / Molybdate (MoO4 ²⁻), disodium, (T-4)- / Molybdic acid (H ₂ MoO ₄), disodium salt / Molybdic acid, disodium salt / Molybdate (MoO4 ²⁻), sodium (1:2), (T-4)- / Molybdate, disodium, (T-4)- / Sodium molybdate(VI) / Sodium molybdate, anhydrous / SODIUM MOLYBDATE / sodium molybdate	CAS-No.: 7631-95-0	5.6 – 6.9
1H-Benzotriazole	1H-Benzotriazole 1,2,3-Benzotriazole / Benzotriazole / NSC-3058 / 1H- 1,2,3-Benzotriazole / BENZOTRIAZOLE / Benzeneazimide / 1,2,3-1H-Benzotriazole	CAS-No.: 95-14-7	4.3 – 5.3
Sodium metaborate	Sodium metaborate Boric acid (HBO ₂), sodium salt / Boric acid, monosodium salt / Sodium metaborate, anhydrous / Boric acid (HBO ₂), sodium salt (1:1) / Boric acid, sodium salt / sodium metaborate	CAS-No.: 7775-19-1	3.9 – 4.8
Sodium metasilicate	Disodium metasilicate / Silicate, disodium / Silicic acid (H ₂ SiO ₃), disodium salt / Sodium metasilicate, anhydrous / Silicic acid, disodium salt / Disodium metasilicate (Na ₂ SiO ₃) / Disodium trioxosilicate / Silicic acid (H ₂ SiO ₃), sodium salt (1:2) / SODIUM METASILICATE / Silicic acid, sodium salt (1:2) / Sodium silicate	CAS-No.: 6834-92-0	3.1 – 3.8
Sodium xylenesulfonate	Sodium xylenesulfonate Sodium xylene sulfonate / Benzenesulfonic acid, dimethyl-, sodium salt / Sodium dimethylbenzenesulfonate / Sodium xylenesulphonate / Xylenesulfonate, sodium / Xylenesulfonic acid, sodium salt / Benzenesulphonic acid, dimethyl-, sodium salt / Benzenesulfonic acid, dimethyl-, sodium salt (1:1) / SODIUM XYLENESULFONATE / Dimethylbenzenesulfonic acid, sodium salt	CAS-No.: 1300-72-7	1.4 – 1.7

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

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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 skin irritation occurs: Wash skin with plenty of water. Obtain medical attention if irritation persists.
First-aid measures after eye contact	: Not applicable for product in finished form. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Not applicable for product in finished form.

4.2. Most important symptoms and effects (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. Immediate medical attention and special treatment, if necessary

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

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

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

5.2. Specific hazards arising from the chemical

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. Special protective equipment and precautions for fire-fighters

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

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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.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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No additional information available

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

No additional information available

Sodium nitrite (7632-00-0)

No additional information available

Sodium molybdate (7631-95-0)

No additional information available

1H-Benzotriazole (95-14-7)

No additional information available

Sodium metaborate (7775-19-1)

No additional information available

Sodium metasilicate (6834-92-0)

No additional information available

Sodium xylenesulfonate (1300-72-7)

No additional information available

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8.2. Appropriate engineering controls

- Appropriate engineering controls : Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits. Ensure good ventilation of the work station.
- Environmental exposure controls : Maintain levels below Community environmental protection thresholds. Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

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. Wear suitable protective clothing
Respiratory protection:
None necessary under normal conditions of use.

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	: 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

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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.

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) : Toxic if swallowed.
Acute toxicity (dermal) : Not classified.
Acute toxicity (inhalation) : Not classified.

Diphosphoric acid, tetrapotassium salt (7320-34-5)	
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: other:FMC Non-Definitive Dermal Toxicity Protocol (Number 7), Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 inhalation rat	> 1.1 mg/l air Animal: rat, Guideline: other:FMC Acute Inhalation Toxicity Protocol Number 27, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Guideline: other:US EPA Toxic Substances Health Effect Test Guidelines, October, 1984; (PB82-232984) Acute Inhalation Toxicity Study., Guideline: other:Commission of the European Communities, Council Directive 67/548/EEC, Annex V, Part B.2.; May 1, 1987, Guideline: other:US EPA Pesticide Assessment Guidelines: Subdivision F, Hazard Evaluation: Human and Domestic Animals, Nov, 1984; 81-3 Acute Inhalation Study
Sodium nitrite (7632-00-0)	
LD50 oral rat	85 mg/kg
LC50 inhalation rat	5.5 mg/l/4h
ATE CA (oral)	85 mg/kg bodyweight
ATE CA (vapours)	5.5 mg/l/4h

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Sodium nitrite (7632-00-0)	
ATE CA (dust,mist)	5.5 mg/l/4h
Sodium molybdate (7631-95-0)	
LD50 oral rat	4000 mg/kg
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 inhalation rat	> 5.84 mg/l/4h
ATE CA (oral)	4000 mg/kg bodyweight
1H-Benzotriazole (95-14-7)	
LD50 oral rat	560 mg/kg
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 inhalation rat	1910 mg/m ³ (Exposure time: 3 h)
ATE CA (oral)	560 mg/kg bodyweight
ATE CA (Gases (except aerosol dispensers and lighters))	4500 ppmv/4h
ATE CA (vapours)	1.91 mg/l/4h
ATE CA (dust,mist)	1.91 mg/l/4h
Sodium metaborate (7775-19-1)	
LD50 oral rat	2330 mg/kg
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: other:FIFRA (40 CFR 163)
ATE CA (oral)	2330 mg/kg bodyweight
Sodium metasilicate (6834-92-0)	
LD50 oral rat	1153 mg/kg
LD50 dermal rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: EPA OPPTS 870.1200 (Acute Dermal Toxicity)
LC50 inhalation rat	> 2.06 mg/l air Animal: rat, Guideline: EPA OPPTS 870.1300 (Acute inhalation toxicity)
ATE CA (oral)	1153 mg/kg bodyweight
Sodium xylenesulfonate (1300-72-7)	
LD50 oral rat	≥ 3346 mg/kg bodyweight Animal: rat, Guideline: EPA OTS 798.1175 (Acute Oral Toxicity), 95% CL: 3196 - 3503
LD50 dermal rabbit	≥ 2000 mg/kg bodyweight Animal: rabbit, Guideline: EPA OTS 798.1100 (Acute Dermal Toxicity)

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitisation	: Not classified.
Germ cell mutagenicity	: Not classified.
Carcinogenicity	: Suspected of causing cancer.

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Sodium xylenesulfonate (1300-72-7)	
NOAEL (chronic, oral, animal/female, 2 years)	≥ 60 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies), Remarks on results: other:

Reproductive toxicity : Suspected of damaging fertility or the unborn child.

Sodium metasilicate (6834-92-0)	
NOAEL (animal/female, F0/P)	> 159 mg/kg bodyweight Animal: rat, Animal sex: female

STOT-single exposure : Not classified.

Sodium metasilicate (6834-92-0)	
STOT-single exposure	May cause respiratory irritation.

: May cause damage to organs through prolonged or repeated exposure.

STOT-repeated exposure

Diphosphoric acid, tetrapotassium salt (7320-34-5)	
NOAEL (oral, rat, 90 days)	500 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

Sodium nitrite (7632-00-0)	
NOAEL (subchronic, oral, animal/male, 90 days)	220 mg/kg bodyweight Animal: mouse, Animal sex: male
NOAEL (subchronic, oral, animal/female, 90 days)	165 mg/kg bodyweight Animal: mouse, Animal sex: female

Sodium molybdate (7631-95-0)	
NOAEC (inhalation, rat, dust/mist/fume, 90 days)	> 0.1 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Sodium metasilicate (6834-92-0)	
NOAEL (oral, rat, 90 days)	227 – 237 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

Sodium xylenesulfonate (1300-72-7)	
NOAEL (oral, rat, 90 days)	763 – 3534 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

Aspiration hazard : Not classified.

Likely routes of exposure : None.

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.

Other information : Likely routes of exposure: ingestion, inhalation, skin and eye.

SECTION 12: Ecological information

12.1. Toxicity

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

Diphosphoric acid, tetrapotassium salt (7320-34-5)	
LC50 - Fish [1]	> 100 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)

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Diphosphoric acid, tetrapotassium salt (7320-34-5)	
EC50 - Crustacea [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])
EC50 - Crustacea [1]	15.4 mg/l Test organisms (species): Daphnia magna
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]	55 mg/l Test organisms (species): Cyprinodon variegatus
EC50 - Crustacea [1]	137 mg/l Test organisms (species): Daphnia magna
LC50 - Fish [2]	180 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
Sodium metaborate (7775-19-1)	
LC50 - Fish [1]	79.7 mg/l Test organisms (species): Pimephales promelas
NOEC chronic fish	11.2 mg/l Test organisms (species): Pimephales promelas Duration: '32 d'
Sodium metasilicate (6834-92-0)	
LC50 - Fish [1]	210 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [semi-static])
EC50 - Crustacea [1]	1700 mg/l Test organisms (species): Daphnia magna
LC50 - Fish [2]	210 mg/l (Exposure time: 96 h - Species: Brachydanio rerio)
Sodium xylenesulfonate (1300-72-7)	
LC50 - Fish [1]	≥ 1580 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	> 1020 mg/l Test organisms (species): Daphnia magna

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.

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SECTION 13: Disposal considerations

13.1. Disposal methods

Product/Packaging disposal recommendations : Empty containers or liners may retain some product residues. Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

In accordance with DOT / TDG

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (DOT) : Not applicable

14.3. Transport hazard class(es)

DOT

Transport hazard class(es) (DOT) : Not applicable

TDG

Transport hazard class(es) (TDG) : Not applicable

14.4. Packing group

Packing group (DOT) : Not applicable

Packing group (TDG) : Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

Special transport precautions : Do not handle until all safety precautions have been read and understood.

DOT

No data available

TDG

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US 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.

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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

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

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

Revision date : 02/10/2026
Other information : None.
Prepared by : Nexreg Compliance Inc.
Prepared for : *Fleetguard*

Full text of H-statements	
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Carc. 2	Carcinogenicity, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
HHNOC 1	Health hazard not otherwise classified, category 1
Met. Corr. 1	Corrosive to metals, Category 1
Ox. Sol. 3	Oxidising Solids, Category 3
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2

SDS HazCom 2012 - WHMIS 2015

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