SAFETY DATA SHEET

1. Identification

Product identifier: DCA 2 Immediate Release Water Filters

Other means of identification:
   - SDS number: LT16561
   - Product code: WF2004, WF2021, WF2050, WF2051, WF2052, WF2053, WF2054, WF2055, WF2056, WF2067, WF2088, WF2096, WF2131, WF2133, WF2138

Recommended use: Additive for low silicate antifreeze. Spin-on coolant filters

Recommended restrictions: None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer
   - Company name: Cummins Filtration
   - Address: 1200 Fleetguard Road
   - Cookeville, TN 38506
   - United States

Telephone: 24 Hours per day
   - 1-800-22FILTER
   - (1-800-223-4583)

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

E-mail: Not available.

Supplier: Not available.

2. Hazard(s) identification

Physical hazards: This mixture does not meet the classification criteria according to OSHA HazCom 2012.

Health hazards: This mixture does not meet the classification criteria according to OSHA HazCom 2012.

Environmental hazards: This mixture does not meet the classification criteria according to OSHA HazCom 2012.

OSHA defined hazards: This mixture does not meet the classification criteria according to OSHA HazCom 2012.

Refer to Section 15 for OSHA HazCom 2012 classification.

Label elements

Hazard symbol: None.

Signal word: None.

Hazard statement: Not available.

Precautionary statement
   - Prevention: Not available.
   - Response: Not available.
   - Storage: Not available.
   - Disposal: Not available.

Hazard(s) not otherwise classified (HNOC): No OSHA defined hazard classes.

Other hazards which do not result in classification: Contains oxidizers, which may increase the burning rate of combustible materials. May be harmful if inhaled or swallowed. May be harmful if absorbed through skin. May cause mild to moderate skin irritation. May cause severe eye irritation and possible irreversible eye damage. May cause severe irritation and corrosive damage in the mouth, throat and stomach. May cause an allergic skin reaction. Prolonged or repeated exposure may cause blood system effects. May cause reproductive effects.

Supplemental information: Not applicable.

3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tin Calconite</td>
<td>Not Available</td>
<td>12045-88-4</td>
<td>30 - 40</td>
</tr>
</tbody>
</table>

Material name: DCA 2 Immediate Release Water Filters

WF2004, WF2021, WF2050, WF2051, WF2052, WF2053, WF2054, WF2055, WF2056, WF2067, WF2088, WF2096, WF2131, WF2138
4. First-aid measures

**Inhalation**
Harmful effects are not expected under normal usage. However, if the article is damaged and/or material is released: Move to fresh air. If breathing is difficult, give oxygen. If breathing stops, provide artificial respiration. Get medical attention if symptoms occur.

**Skin contact**
Harmful effects are not expected under normal usage. However, if the article is damaged and/or material is released: Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash contaminated clothing before reuse.

**Eye contact**
Harmful effects are not expected under normal usage. However, if the article is damaged and/or material is released: Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician or poison control center immediately.

**Ingestion**
Harmful effects are not expected under normal usage. However, if the article is damaged and/or material is released: Call a physician or poison control center immediately. Do not induce vomiting. Never give anything by mouth to a victim who is unconscious or is having convulsions.

**Most important symptoms/effects, acute and delayed**
Health injuries are not known or expected under normal use. However, if the article is damaged or improperly used, harmful effects may occur.

May cause mild to moderate skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin. May cause severe eye irritation and possible irreversible eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Symptoms may include upper respiratory irritation, coughing, and breathing difficulties. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. May cause severe irritation and corrosive damage in the mouth, throat and stomach. Symptoms may include abdominal pain, vomiting, burns, perforations, bleeding and eventually death. Ingestion of extremely large amounts of nitrates or nitrates may affect oxygen transport in the blood and blood system, causing methemoglobinemia. Symptoms of poisoning may include cyanosis (bluish discoloration of the skin), nausea, dizziness, rapid heartbeat, irregular breathing, coma and death.

**Indication of immediate medical attention and special treatment needed**
Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

**General information**
IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

5. Fire-fighting measures

**Suitable extinguishing media**
Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

**Unsuitable extinguishing media**
Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical**
During fire, gases hazardous to health may be formed.

**Special protective equipment and precautions for firefighters**
Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Fire-fighting equipment/instructions**
Evacuate area and fight fire from a safe distance. Use water spray to cool unopened containers. Move containers from fire area if you can do so without risk. Move combustibles out of path of advancing pool if you can do so without risk. Prevent fire extinguishing water from contaminating surface water or the ground water system.

**Specific methods**
Use standard firefighting procedures and consider the hazards of other involved materials.

**General fire hazards**
No unusual fire or explosion hazards noted. Contains oxidizers, which may increase the burning rate of combustible materials.

**Hazardous combustion products**
Carbon oxides. Nitrogen oxides (NOx). Sodium oxides. Other irritating fumes and smoke.
6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Restrict access to area until completion of clean-up. Wear appropriate personal protective equipment. See Section 8 of the SDS for Personal Protective Equipment.

Methods and materials for containment and cleaning up

Remove sources of ignition. Ventilate the contaminated area. Stop the flow of material, if this is without risk. Sweep up or vacuum up spillage and collect in suitable container for disposal. Collect and dispose of spillage as indicated in section 13 of the SDS. Cover powdered spills with plastic sheet or tarpaulin to minimize spreading and protect from water.

In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Minimize dust generation and accumulation. Provide appropriate exhaust ventilation at places where dust is formed. Do not breathe dust. Do not get this material in contact with eyes. Do not get this material in contact with skin. Do not taste or swallow. Avoid contact with skin and eyes. Avoid contact during pregnancy/while nursing. Do not get this material on clothing. Use only outdoors or in a well-ventilated area. In case of insufficient ventilation, wear suitable respiratory equipment. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Practice good housekeeping.

Conditions for safe storage, including any incompatibilities

Store locked up. Store in original tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

<table>
<thead>
<tr>
<th>US, ACGIH Threshold Limit Values</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Magnesium Distearate (CAS 557-04-0)</td>
<td>TWA</td>
<td>10 mg/m³</td>
</tr>
<tr>
<td>US, NIOSH: Pocket Guide to Chemical Hazards</td>
<td>Type</td>
<td>Value</td>
</tr>
<tr>
<td>Tin Calconite (CAS 12045-88-4)</td>
<td>TWA</td>
<td>1 mg/m³</td>
</tr>
<tr>
<td>US, Workplace Environmental Exposure Level (WEEL) Guides</td>
<td>Components</td>
<td>Type</td>
</tr>
<tr>
<td>Benzothiazole-2-thiol (CAS 149-30-4)</td>
<td>TWA</td>
<td>5 mg/m³</td>
</tr>
</tbody>
</table>

Biological limit values

No biological exposure limits noted for the ingredient(s).

Exposure guidelines

US WEEL Guides: Skin designation

Benzothiazole-2-thiol (CAS 149-30-4) Can be absorbed through the skin.

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Ventilation should be sufficient to effectively remove and prevent buildup of any dusts or fumes that may be generated during handling or thermal processing. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles) and a face shield.

Skin protection

Hand protection

Wear appropriate chemical resistant gloves.

Other

Wear appropriate chemical resistant clothing.

Respiratory protection

Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations

When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

Appearance
White colored powder/pellets contained inside the water filter assembly.

Physical state
Solid.

Form
Powder. Pellets.

Color
White Blue

Odor
Chemical odor

Odor threshold
Not available.

pH
Not available.

Melting point/freezing point
Not available.

Initial boiling point and boiling range
Not available.

Flammability (solid, gas)
Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower (%)
Not available.

Flammability limit - upper (%)
Not available.

Explosive limit - lower (%)
Not available.

Explosive limit - upper (%)
Not available.

Vapor pressure
Not available.

Vapor density
Not available.

Relative density
Not available.

Solubility(ies)

Solubility (water) 100 %

Partition coefficient (n-octanol/water)
Not available.

Auto-ignition temperature
Not available.

Decomposition temperature
Not available.

Viscosity
Not available.

10. Stability and reactivity

Reactivity
The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability
Material is stable under normal conditions.

Possibility of hazardous reactions
Hazardous polymerization does not occur.

Conditions to avoid
Contact with incompatible materials. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).

Incompatible materials

Hazardous decomposition products
No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Ingestion
May cause severe irritation and corrosive damage in the mouth, throat and stomach.

Inhalation
May cause irritation to the respiratory system.

Skin contact
May cause mild to moderate skin irritation.

Eye contact
Causes severe eye irritation.
Symptoms related to the physical, chemical and toxicological characteristics

Health injuries are not known or expected under normal use. However, if the article is damaged or improperly used, harmful effects may occur. May cause mild to moderate skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin. May cause severe eye irritation and possible irreversible eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Symptoms may include upper respiratory irritation, coughing, and breathing difficulties. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. May cause severe irritation and corrosive damage in the mouth, throat and stomach. Symptoms may include abdominal pain, vomiting, burns, perforations, bleeding and eventually death. Ingestion of extremely large amounts of nitrates or nitrates may affect oxygen transport in the blood and blood system, causing methemoglobinemia. Symptoms of poisoning may include cyanosis (bluish discoloration of the skin), nausea, dizziness, rapid heartbeat, irregular breathing, coma and death.

Information on toxicological effects

Acute toxicity

Health injuries are not known or expected under normal use.
See below for individual ingredient acute toxicity data.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,2,3-benzotriazole (CAS 95-14-7)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>Rat</td>
<td>&gt; 1000 mg/kg</td>
</tr>
<tr>
<td>Inhalation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>Rat</td>
<td>1.433 mg/l (dust)</td>
</tr>
<tr>
<td>Oral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
<td>560 mg/kg</td>
</tr>
<tr>
<td>Benzothiazole-2-thiol (CAS 149-30-4)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rabbit</td>
<td>&gt; 7940 mg/kg</td>
</tr>
<tr>
<td>Inhalation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>Rat</td>
<td>&gt; 1.27 mg/l/4h</td>
</tr>
<tr>
<td>Oral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
<td>2830 mg/kg</td>
</tr>
<tr>
<td>Magnesium Distearate (CAS 557-04-0)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
<td>&gt; 10000 mg/kg</td>
</tr>
<tr>
<td>Sodium Nitrite (CAS 7632-00-0)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rabbit</td>
<td>No data in literature</td>
</tr>
<tr>
<td>Inhalation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>Rat</td>
<td>No data in literature</td>
</tr>
<tr>
<td>Oral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
<td>85 mg/kg</td>
</tr>
<tr>
<td>Tin Calconite (CAS 12045-88-4)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rabbit</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td>Inhalation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>Rat</td>
<td>&gt; 2.04 mg/l/4h</td>
</tr>
<tr>
<td>Oral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
<td>1200 mg/kg</td>
</tr>
</tbody>
</table>

* Estimates for product may be based on additional component data not shown.
Skin corrosion/irritation
May cause mild to moderate skin irritation. Prolonged contact, such as when trapped against the skin under clothing or jewelry, may be more irritating.

Serious eye damage/eye irritation
Causes serious eye damage. Dust in the eyes will cause irritation.

Respiratory or skin sensitization
Respiratory sensitization
Not expected to be a respiratory sensitizer.

Skin sensitization
May cause an allergic skin reaction.

Germ cell mutagenicity
No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity
This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not listed.

Reproductive toxicity
Suspected of damaging fertility or the unborn child.

Specific target organ toxicity - single exposure
Not classified as a specific target organ toxicity - single exposure.

Specific target organ toxicity - repeated exposure
Not classified as a specific target organ toxicity - repeated exposure.

Chronic effects
No hazards resulting from the material as supplied. However, if the article is damaged or improperly used: Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. Prolonged or repeated exposure may cause blood system effects. Prolonged or repeated overexposure may cause kidney effects.

Aspiration toxicity
Not expected to be an aspiration hazard.

12. Ecological information

Ecotoxicity
Expected to be very toxic to aquatic organisms. May cause long-term adverse effects in the environment. Do not allow this material to drain into sewers/water supplies.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,2,3-benzotriazole (CAS 95-14-7)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Algae</td>
<td>EC50</td>
<td>Green algae (Selenastrum capricornutum) 75 mg/l, 72 Hours</td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
<td>Water flea (Daphnia magna) 107 mg/l, 48 Hours</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Zebrafish (Brachydanio rerio) 180 mg/l, 96 Hours</td>
</tr>
<tr>
<td><strong>Chronic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Algae</td>
<td>NOEC</td>
<td>Green algae (Selenastrum capricornutum) 10 mg/l, 72 hours</td>
</tr>
<tr>
<td>Crustacea</td>
<td>NOEC</td>
<td>Water flea (Daphnia magna) 25.9 mg/l, 21 days</td>
</tr>
<tr>
<td>Benzothiazole-2-thiol (CAS 149-30-4)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Algae</td>
<td>EC50</td>
<td>Green algae (Selenastrum capricornutum) 0.5 mg/l, 72 hours</td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
<td>Water flea (Daphnia magna) 0.71 mg/l, 48 Hours</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Rainbow trout, donaldson trout (Oncorhynchus mykiss) 0.73 mg/l, 96 hours</td>
</tr>
<tr>
<td><strong>Chronic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Algae</td>
<td>NOEC</td>
<td>Green algae (Selenastrum capricornutum) 0.066 mg/l, 72 hours</td>
</tr>
<tr>
<td>Crustacea</td>
<td>NOEC</td>
<td>Water flea (Daphnia magna) 0.08 mg/l, 21 days</td>
</tr>
<tr>
<td>Fish</td>
<td>NOEC</td>
<td>Rainbow trout, donaldson trout (Oncorhynchus mykiss) 0.041 mg/l, 89 days</td>
</tr>
<tr>
<td>Sodium Nitrite (CAS 7632-00-0)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Algae</td>
<td>LC50</td>
<td>Rainbow trout (Oncorhynchus mykiss) 0.54 mg/l, 96 hours</td>
</tr>
</tbody>
</table>
## Components Test Results

<table>
<thead>
<tr>
<th>Species</th>
<th>Acute</th>
<th>Chronic</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Algae</td>
<td>EC50 Green Algae (Scenedesmus subspicatus)</td>
<td>&gt; 100 mg/l, 72 hours</td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50 Water flea (Daphnia magna)</td>
<td>15.4 mg/l, 48 hours</td>
</tr>
<tr>
<td><strong>Tin Calconite (CAS 12045-88-4)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Algae</td>
<td>NOEC Green Algae (Scenedesmus subspicatus)</td>
<td>100 mg/l, 72 hours</td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Algae</td>
<td>EC50 Green algae (Selenestrum capricornutum)</td>
<td>15.4 mg/l, 96 Hours</td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50 Water flea (Daphnia magna)</td>
<td>141 mg/l, 48 Hours</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50 Fathead minnow (Pimephales promelas)</td>
<td>332 mg/l, 96 Hours</td>
</tr>
<tr>
<td><strong>Chronic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Algae</td>
<td>NOEC Water flea (Daphnia magna)</td>
<td>6 mg/l, 21 days</td>
</tr>
<tr>
<td>Crustacea</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Estimates for product may be based on additional component data not shown.

### Persistence and degradability

No data is available on the degradability of this product.

### Bioaccumulative potential

Based on the physical properties of this product, significant environmental persistence and bioaccumulation can be expected.

#### Partition coefficient n-octanol / water (log Kow)

<table>
<thead>
<tr>
<th>Compound</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,2,3-benzotriazole</td>
<td>1.44</td>
</tr>
<tr>
<td>Benzothiazole-2-thiol</td>
<td>2.41</td>
</tr>
</tbody>
</table>

### Mobility in soil

No data available.

### Other adverse effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

### 13. Disposal considerations

#### Disposal instructions

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

#### Local disposal regulations

Dispose in accordance with all applicable regulations.

#### Hazardous waste code

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

#### Waste from residues / unused products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

#### Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

### 14. Transport information

#### DOT

<table>
<thead>
<tr>
<th>UN number</th>
<th>UN3077</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN proper shipping name</td>
<td>Environmentally hazardous substances, solid, n.o.s.</td>
</tr>
<tr>
<td>Transport hazard class(es)</td>
<td></td>
</tr>
<tr>
<td>Class</td>
<td>9</td>
</tr>
<tr>
<td>Subsidiary risk</td>
<td>-</td>
</tr>
<tr>
<td>Label(s)</td>
<td>9</td>
</tr>
<tr>
<td>Packing group</td>
<td>III</td>
</tr>
</tbody>
</table>
Environmental hazards
   Marine pollutant   Yes
Special precautions for user
   Read safety instructions, SDS and emergency procedures before handling.
Special provisions
   8, 146, 335, A112, B54, IB8, IP3, N20, T1, TP33
Packaging exceptions
   155
Packaging non bulk
   213
Packaging bulk
   240

IATA
   UN number   UN3077
   UN proper shipping name   Environmentally hazardous substance, solid, n.o.s.
   Transport hazard class(es)
      Class   9
      Subsidiary risk   -
      Packing group   III
      Environmental hazards   Yes
   ERG Code   9L
   Special precautions for user
      Read safety instructions, SDS and emergency procedures before handling.
Other information
   Passenger and cargo aircraft
      Allowed.
   Cargo aircraft only
      Allowed.

IMDG
   UN number   UN3077
   UN proper shipping name   ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
   Transport hazard class(es)
      Class   9
      Subsidiary risk   -
      Packing group   III
      Environmental hazards
      Marine pollutant   Yes
   EmS   F-A, S-F
   Special precautions for user
      Read safety instructions, SDS and emergency procedures before handling.
      Not applicable.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
   DOT; IATA; IMDG

Material name: DCA 2 Immediate Release Water Filters
SDS US
WF2004, WF2021, WF2050, WF2051, WF2052, WF2053, WF2054, WF2055, WF2056, WF2067, WF2088, WF2096, WF2131, WF213
15. Regulatory information

**US federal regulations**

This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. One or more components are not listed on TSCA. For informational purposes, this product would have the following OSHA HazCom 2012 classification:
- Acute Toxicity (oral) - Category 3
- Acute Toxicity (inhalation) - Category 4
- Skin corrosion/irritation - Category 1
- Serious eye damage/eye irritation - Category 1
- Sensitization, skin - Category 1
- Reproductive toxicity - Category 2
- Specific target organ toxicity, single exposure - Category 3 (narcotic effects)

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

- Sodium Nitrite (CAS 7632-00-0) 1.0 % One-Time Export Notification only.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

- Sodium Nitrite (CAS 7632-00-0) Listed.

**SARA 304 Emergency release notification**

- Not regulated.


- Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

- **Hazard categories**
  - Immediate Hazard - No
  - Delayed Hazard - No
  - Fire Hazard - No
  - Pressure Hazard - No
  - Reactivity Hazard - No

- **SARA 302 Extremely hazardous substance**
  - Not listed.

- **SARA 311/312 Hazardous chemical**
  - No

- **SARA 313 (TRI reporting)**
  
<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>% by wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Nitrite</td>
<td>7632-00-0</td>
<td>20.0 - 40.0</td>
</tr>
<tr>
<td>Sodium Nitrate</td>
<td>7631-99-4</td>
<td>8.0 - 15.0</td>
</tr>
<tr>
<td>Benzothiazole-2-thiol</td>
<td>149-30-4</td>
<td>5.0 - 10.0</td>
</tr>
</tbody>
</table>

**Other federal regulations**

- **Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**
  - Not regulated.

- **Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**
  - Not regulated.

- **Safe Drinking Water Act (SDWA)**
  - Not regulated.

**US state regulations**

- **US. Massachusetts RTK - Substance List**
  1,2,3-benzotriazole (CAS 95-14-7)
  Sodium Nitrite (CAS 7632-00-0)
  Tin Calconite (CAS 12045-88-4)

- **US. New Jersey Worker and Community Right-to-Know Act**
  Benzothiazole-2-thiol (CAS 149-30-4)
  Sodium Nitrite (CAS 7632-00-0)
  Tin Calconite (CAS 12045-88-4)

- **US. Pennsylvania Worker and Community Right-to-Know Law**
  Sodium Nitrite (CAS 7632-00-0)

- **US. Rhode Island RTK**
  Benzothiazole-2-thiol (CAS 149-30-4)
  Sodium Nitrite (CAS 7632-00-0)
California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>No</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
<td>No</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>No</td>
</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>No</td>
</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>Yes</td>
</tr>
<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
<td>Yes</td>
</tr>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>No</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*A “Yes” indicates that all components of this product comply with the inventory requirements administered by the governing country(s). A “No” indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date: 07-15-2014

Version #: 01

Disclaimer

Prepared by: ICC The Compliance Center Inc.
http://www.thecompliancecenter.com

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