

MATERIAL SAFETY DATA SHEET

Donaldson SCA+ Coolant Spin-on Filters

Document No P477333

Revision 5

15 June 2009

Part Number(s):

This Material Safety Data Sheet applies to the following Donaldson filter part numbers:

P552070	P552076
P552071	P552106
P552072	P552072
P552073	P566843
P552074	P568097
P552075	P550866

Product Name:

SCA+ Coolant Filter(s), a closed cooling water corrosion treatment.

Chemical Manufacturer:

Dober Group

Dober of Glenwood Div.

333 W. 195th Street

Glenwood, IL 60425

(800) 323-4983 - Toll Free U.S. & Canada

(630) 440-7300

<http://www.dober-group.com>

Chemical / Product Name:

TR84743

24 Hour Emergency Contact:

Chem-tel

(800) 255-3924 - Toll Free U.S. & Canada

(813) 248-0585

Additional Languages:

For MSDS sheets in additional languages, please contact the chemical manufacturer - Dober Group.

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Minneapolis, MN 55440
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SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Trade Name : TR84743
Product Code : T84743
Material Uses : Corrosion Inhibitor

Supplier/Manufacturer : Dober
11230 Katherine's Crossing
Woodridge, IL 60517

Emergency Phone : 800-255-3924
Information Phone : 630-410-7300

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient:</u>	<u>CAS No.</u>	<u>% by weight</u>
Disodium Trioxosilicate	6834-92-0	< 20
Sodium Nitrite	7632-00-0	10 – 30
Sodium Nitrate	7631-99-4	< 10

See Section 8 for Exposure Limits.
See Section 11 for Toxicological Data.

Section 2 Notes: The components listed above are not considered hazardous the pellet/briquette form.

SECTION 3: HAZARDS IDENTIFICATION

Physical State and Appearance : Pellet/Briquette.
Emergency Overview : WARNING! Causes eye irritation; may cause irritation to skin and respiratory tract.
Routes of Entry : Skin, eye, ingestion and inhalation contact.

Potential Acute Health Effects

Eyes : Causes eye irritation.
Skin : May cause skin irritation.
Ingestion : May be harmful if swallowed.
Inhalation : May cause respiratory tract irritation.

Potential Chronic Health Effects : Carcinogenic effects: Not classified or listed by NTP, IARC, or OSHA.
Mutagenic effects: Not available.
Teratogenic effects: Not available.

Medical Conditions Generally Aggravated by Exposure : Prolonged or repeated exposure may produce severe irritation to eyes, skin, and respiratory tract.

SECTION 4: FIRST AID MEASURES

Eye Contact : In case of eye contact flush at once with plenty of water for at least 15 minutes. Remove contacts if easy to do so. Contact a physician at once.
Skin Contact : In case of contact immediately flush skin with plenty of water. Remove contaminated clothing and shoes.
Ingestion : If large quantities of this material are swallowed, contact a physician at once. Do not

induce vomiting. Give large quantities of water to dilute. Never give anything by mouth to an unconscious person.

Inhalation : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Notes to Physician : Contact Poison Control.

SECTION 5: FIRE-FIGHTING MEASURES

Flammability of the product : Non-flammable.

Flash Points (Test Method) : Not applicable.

Flammable Limits in Air (% by volume)

Lower : Not applicable.

Upper : Not applicable.

Products of Combustion : Not applicable.

Extinguishing Media : Water, CO₂, chemical foam.

Special Firefighting Procedures : Wear self-contained breathing apparatus. Contact with strong acids or thermal decomposition may produce toxic fumes.

Unusual Fire and Explosion Hazards : Oxidizer.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions : Use appropriate personal protective equipment. Spilled material will become slippery when water is added.

Environmental Precautions : Avoid generating dust.

Methods for Cleaning Up : Carefully shovel or sweep up spilled material and place in suitable container. Flush residue with plenty of water.

SECTION 7: HANDLING AND STORAGE

Handling and Storage : Keep container closed. Keep dry. Do not store at elevated temperatures or near oxidizers. Do not contact eyes or skin. Do not take internally.

Other Precautions : FOR INDUSTRIAL USE ONLY.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Ingredient Name	Exposure Limits
Sodium Nitrite	Not available
Sodium Nitrate	Not available

Engineering Controls : Keep airborne concentrations below personal exposure limits. Use process enclosures, local exhaust ventilation or other engineering controls to control airborne levels below recommended exposure limits.

Personal Protection

Eyes : Safety glasses with side shields or chemical splash goggles should be worn.

Skin : Protective apron or lab coat to prevent skin contact.

Respiratory : Wear NIOSH N95 half face piece particulate respirator if process controls are not adequate.

Hands : Chemical resistant, nitrile gloves.

Personal Protection in Case Of a Large Spill : Use appropriate personal protective equipment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State and Appearance : Pellet/Briquette.
Color : White.
Odor : Mild ester odor.
Molecular Weight : Not available.
pH : Not available.
Boiling Point : Not available.
Melting Point : Not available.
Vapor Pressure (mmHg) : Not available.
Vapor Density (Air = 1) : Not available.
Specific Gravity (H₂O = 1) : Not available.
Evaporation Rate : Not available.
% Volatiles by volume : Not available.
Viscosity : Not available.
Solubility : Completely soluble in water.

SECTION 10: STABILITY AND REACTIVITY

Stability and reactivity : Stable under normal storage conditions.
Conditions of instability : None known.
Incompatibility with various Substances : Strong acids, extreme heat, reducing agents, moisture.
Hazardous Decomposition Products : Oxides of carbon and nitrogen. Product in powder form may ignite combustible materials and produce noxious gases.
Hazardous Polymerization : Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicity Data

<u>Ingredient Name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
Not available				

Potential Chronic Effects On Humans : Carcinogenic effects: Not classified or listed by NTP, IARC, or OSHA.
 Mutagenic effects: Not available.
 Teratogenic effects: Not available.
Other Toxic Effects on Humans : Not available.

SECTION 12: ECOLOGICAL INFORMATION

Environmental Precautions : Not available.
Products of Degradation : Not available.
Toxicity of the products of Degradation : Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method : Comply with all federal, state, and local regulations. Consult state and local authorities for restrictions on disposal of chemical waste. If approved, may be diluted and drained to a municipal sewer or waste treatment plant. Rinse empty container thoroughly with water before discarding.

SECTION 14: TRANSPORT INFORMATION

Regulatory Information	UN Number	Proper Shipping Name	Class	Packing Group	Additional Information
United States (DOT)	--	Non-Regulated	--	--	--
IATA	--	Non-Regulated	--	--	--
IMDG	--	Non-Regulated	--	--	--

Section 14 Notes: RQ value for this product is 790 pounds based upon the Sodium Nitrite component.

SECTION 15: REGULATORY INFORMATION

U.S. Federal Regulations : Available on request.

State Regulations : Available on request.

International Regulations : Available on request.

SECTION 16: OTHER INFORMATION

Label Requirements : Causes eye irritation; may cause irritation to skin and respiratory tract.

Hazardous Material Information System (U.S.A.) :

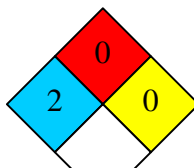
Health	2
Fire Hazard	0
Reactivity	0
Personal Protection	C

Hazard Ratings

4 = Extreme
3 = Serious
2 = Moderate
1 = Slight
0 = Minimal

* See section 8 for more detailed information on personal protection

National Fire Protection Association (U.S.A.) :



References : Available on request.

Disclaimer

All information, recommendations, and suggestions appearing herein concerning this compound are based upon data obtained from the raw material manufacturers and/or recognized technical sources; however, Dober Chemical Corp. makes no warranty, representation, or guarantee as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of his own use, handling and disposal of the product. Since actual use by others is beyond our control, Dober Chemical

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