

Material Safety Data Sheet

Donaldson SCA Coolant Liquid

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Document No P477336 Rev 0
Rev. 7/24/2002 9:13 AM

SECTION 1 - Product Identification

Product Name SCA Coolant Additive(s), a cooling water corrosion treatment.

Company Name Donaldson Company, Inc.

Address: P.O. Box 1299, Minneapolis, MN 55440 USA

Phone: 1-800-374-1374 (N. America only)

Emergency. Phone 1-800-877-1940 (U.S. only)

Trade Name: Donaldson SCA

Donaldson Part No. X006136 (Pint ,47L, 5 Units)
X007036 (1 quarts//32 oz)
X007037 (2 Quarts/1,9L, 20 Units)
X007038 (1 gal/128oz)
X006137 (5 Gallons/18,9L/200 Units)
X006138 (55 Gallon / 208,2L/2200 Units)

SECTION 2 - Composition

Information for specific product ingredients as required by the U.S. OSHA HAZARD COMMUNICATION STANDARD is listed. Refer to additional sections of this MSDS for our assessment of the potential hazards of this formulation.

Hazardous Ingredients

CAS#	Chemical Name
7632-00-0	Sodium Nitrite: Oxidizer; toxic (by ingestion); irritant; potential blood toxin.
10555-76-7	Boric Acid Sodium Salt Tetrahydrate. Potential irritant (eyes and respiratory)
149-30-4	2-Mercaptobenzothiazole Irritant; potential sensitizer

No component is considered to be a carcinogen by the National Toxicology Program, the International Agency for Research on Cancer, or the Occupational Safety and Health Administration at OSHA thresholds for carcinogens.

SECTION 3 - Hazards Identification

EMERGENCY OVERVIEW

Warning:

May cause slight irritation to the skin. Potential skin sensitizer. Severe irritant to the eyes. Mists/aerosols may cause irritation to upper respiratory tract.

DOT hazard: Corrosive to aluminum, RQ.

Emergency Response Guide: #60

Odor: Slight; **Appearance:** Colorless Red Liquid

Fire fighters should wear positive pressure self-contained breathing apparatus (full face-piece type). Proper fire-extinguishing media: flood with water. Use of CO2 or foam may be effective.

POTENTIAL HEALTH EFFECTS

Acute Skin Effects: Primary route of exposure; May cause slight irritation to the skin. Potential skin sensitizer.

Acute Eye Effects: Severe irritant to the eyes.

Acute Respiratory Effects: Mists/aerosols may cause irritation to the upper respiratory tract.

Ingestion Effects: May cause gastrointestinal irritation.

Target Organs: Prolonged or repeated exposures may cause CNS depression, primary irritant dermatitis, skin sensitization, and/or toxicity to the blood.

Medical Conditions Aggravated: Not known.

Symptoms of Exposure: May cause redness or itching of skin, irritation and/or tearing of the eyes (direct contact)..

SECTION 4 - First Aid Measures

Skin Contact:

Remove contaminated clothing. Wash exposed area with a large quantity of soap solution or water for 15 minutes.

Eye Contact:

Immediately flush eyes with water for 15 minutes. Immediately contact a physician for additional treatment.

Inhalation:

Remove victim from contaminated area to fresh air. Apply appropriate first aid treatment as necessary.

Ingestion:

DO NOT feed anything by mouth to an unconscious or convulsive victim. DO NOT induce vomiting. Immediately contact physician. Dilute contents of stomach using 3-4 glasses milk or water.

Notes to Physicians: No special instructions

SECTION 5 - Fire Fighting Measures

Fire Fighting Instructions:

Fire fighters should wear positive pressure self-contained breathing apparatus (full face-piece type).

Extinguishing Media:

Dry chemical, carbon dioxide, foam or water

Hazardous Decomposition Products:

Thermal decomposition (destructive fires) yields elemental oxides.

Flashpoint

>200°F > 93°C P-M (CC)

Miscellaneous: Corrosive to aluminum, RQ

UN3266; Emergency response guide #60

SECTION 6 - Accidental Release Measures

Protection and Spill Containment: Ventilate area. Use specified protective equipment. Contain and absorb on absorbent material. Place in waste disposal container. Flush area with water. Wet area may be slippery. Spread sand/grit.

Disposal Instructions: Water contaminated with this product may be sent to a sanitary sewer treatment facility, in accordance with any local agreement, a permitted waste treatment facility or discharged under a permit. Product as is - incinerate or land dispose in an approved landfill.

SECTION 7 - Handling and Storage

Handling: Contains an oxidizer. Avoid all contact with reducing agents, oils, greases and organics. Do not allow to dry.

Storage: Keep containers closed when not in use. Reasonable and safe chemical storage. Keep dry.

SECTION 8- Exposure Controls / Personal Protection

Chemical Name and Exposure Limits:

Sodium Nitrite

PEL (OSHA): Not determined

TLV (ACGIH): Not determined

Boric Acid Sodium Salt Tetrahydrate

PEL (OSHA): Not determined

TLV (ACGIH): Not determined

3-Mercaptobenzothiazole

PEL (OSHA): Not determined

TLV (ACGIH): Not determined

Engineering Controls: Adequate ventilation to maintain air contaminants below exposure limits.

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Personal Protective Equipment: Use protective equipment in accordance with 29CFR 1910 Subpart I

Respiratory Protection: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. Use air purifying respirators within use limitations associated with the equipment or else use supplied air-respirators. If air-purifying respirator use is appropriate, use a respirator with dust/mist filters.

Skin Protection: neoprene gloves--wash off after each use. Replace as necessary.

Eye Protection: splash-proof chemical goggles.

SECTION 9- Physical and Chemical Properties

Specific Grav. (70°F, 21°C)	1.052
Freeze Point (°F)	28
Freeze Point (°C)	-2
Viscosity (cps 70°F, 21°C)	10
Vapor Pressure (mmHG)	~18.0
Vapor Density (air=1)	<1.00
% Solubility (water)	100.0
Odor	Slight
Appearance	Red
Physical State	Liquid
Flash Point P-M(CC)	>200°F >93°C
pH As IS. (approx.)	12.3
Evaporation Rate (Ether=1)	<1.00

NA=not applicable ND =not determined.

SECTION 10- Stability and Reactivity

Stability: Stable under normal storage conditions.

Hazardous Polymerization: Will not occur.

Incompatibilities: May react with strong oxidizers.

Decomposition Products: Thermal decomposition (destructive fires) yields elemental oxides.

BetzDearborn Internal Pumpout/Cleanout Categories: "B"

SECTION 11- Toxicological Information

Oral LD50 RAT: ~2,000 mg/kg (estimated value)

Dermal LD50 Rabbit: >2,000 mg/kg (estimated value)

SECTION 12- Ecological Information

Aquatic Toxicology: No data available.

Biodegradation: No data available.

SECTION 13- Disposal Considerations

If this undiluted product is discarded as a waste, the US RCRA hazardous waste identification number is: not applicable.

Please be advised; however, that state and local requirements for waste disposal may be more restrictive or otherwise different from federal regulations. Consult state and local regulations regarding the proper disposal of this materials.

SECTION 14- Transport Information

DOT Hazard: Corrosive to aluminum, RQ.

UN/NA Number: UN3266

DOT Emergency Response Guide #: 60

SECTION 15- Regulatory Information

TSCA: All components of this product are listed in the TSCA inventory.

CERCLA and/or SARA REPORTABLE QUANTITY (RQ):

298 gallons due to Sodium Nitrite.

SARA Section 312 Hazard Class: Immediate (acute); Delayed (Chronic)

SARA Section 302 Chemicals: No regulated constituent present at OSHA thresholds

SARA Section 313 Chemicals:

CAS#	Chemical Name	Range
7632-00-0	Sodium Nitrite	2.0-5.0%
149-30-4	2-Mercaptobenzothiazole	1.0-1.5%

California Regulatory Information

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65) Chemicals Present: No regulated constituent present at OSHA thresholds.

Michigan Regulatory Information

No regulated constituent present at OSHA thresholds.

SECTION 16- Other Information

NFPA/HMIS	Code Translation
Health	2 Moderate Hazard
Fire	1 Slight Hazard
Reactivity	0 Minimal Hazard
Special	ALK pH above 12.0
(1) Protective Equipment	B Goggles, Gloves

(1) refer to Section 8 of MSDS for additional protective equipment recommendations

Change Log MSDS Status: 7/10/2002 (Supersedes Service Tips Document 404 and msdssca.doc)