

# Safety Data Sheet

acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 regulations

Printing date: January 27, 2017

Revision: January 27, 2017

## 1 Identification

- **Product identifier**
- **Trade name:** Break-Free CO Collector®
- **Product code:** 1009259
- **Recommended use and restriction on use**
- **Recommended use:**
  - Lubricant
  - Surface protection
- **Restrictions on use:** Contact manufacturer/supplier
- **Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**
  - Safariland, LLC
  - 11386 International Parkway
  - Jacksonville, FL 32218
  - Customer Care (800) 347-1200
- **Emergency telephone number:**
  - ChemTel Inc.
  - (800)255-3924 (North America)
  - +1 (813)248-0585 (International)



## 2 Hazard(s) identification

- **Classification of the substance or mixture**
  - Skin Irrit. 2 H315 Causes skin irritation.
  - Skin Sens. 1 H317 May cause an allergic skin reaction.
- **Label elements**
- **GHS label elements**
  - The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms:**



GHS07

- **Signal word:** Warning
- **Hazard statements:**
  - H315 Causes skin irritation.
  - H317 May cause an allergic skin reaction.
- **Precautionary statements:**
  - P261 Avoid breathing mist/vapors/spray.
  - P264 Wash thoroughly after handling.
  - P280 Wear protective gloves and eye protection.
  - P272 Contaminated work clothing must not be allowed out of the workplace.
  - P302+P352 IF ON SKIN: Wash with plenty of water.
  - P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
  - P362+P364 Take off contaminated clothing and wash it before reuse.

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P501 Dispose of contents/container in accordance with local/regional/national/international regulations. (Cont'd. of page 1)

· **NFPA ratings (scale 0 - 4)**



Health = 1  
Fire = 1  
Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**



HEALTH 1 Health = 1  
FIRE 1 Fire = 1  
REACTIVITY 0 Reactivity = 0

## 3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Components:**

|            |   |         |
|------------|---|---------|
| 68037-01-4 | 1-Decene, homopolymer, hydrogenated<br>⚠ Asp. Tox. 1, H304  | 40-60%  |
| 9003-29-6  | Butene, homopolymer (products derived from either/or But-1-ene/But-2-ene)<br>⚠ Asp. Tox. 1, H304<br>⚠ Skin Irrit. 2, H315<br>Flam. Liq. 4, H227 | 20-40%  |
| 57855-77-3 | Calcium dinonylnaphthalenesulfonate<br>⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319   | 5-<10%  |
| 13539-13-4 | 2,5-bis(n-octyldithio)-1,3,4-thiadiazole<br>⚠ Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317                  | 0.1-<1% |

· **Additional information:** For the wording of the listed Hazard Statements refer to section 16.

## 4 First-aid measures

· **Description of first aid measures**

· **General information:** No special measures required.

· **After inhalation:**

Supply fresh air; consult doctor in case of complaints.

Provide oxygen treatment if affected person has difficulty breathing.

In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:**

Clean with water and soap.

If skin irritation is experienced, consult a doctor.

· **After eye contact:**

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:**

Rinse out mouth and then drink plenty of water.

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Do not induce vomiting; immediately call for medical help.

· **Most important symptoms and effects, both acute and delayed:**

Dizziness

Coughing

Gastric or intestinal disorders when ingested.

Irritant to skin and mucous membranes.

Slight irritant effect on eyes.

Allergic reactions

May cause gastro-intestinal irritation if ingested.

· **Danger:**

May be harmful if inhaled.

May be harmful if swallowed.

· **Indication of any immediate medical attention and special treatment needed:**

If swallowed, gastric irrigation with added, activated carbon.

Contains Calcium dinonylnaphthalenesulfonate, 2,5-bis(n-octyldithio)-1,3,4-thiadiazole. May produce an allergic reaction.

Treat skin and mucous membrane with antihistamine and corticoid preparations.

## 5 Fire-fighting measures

· **Extinguishing media**

· **Suitable extinguishing agents:**

Foam

Fire-extinguishing powder

Gaseous extinguishing agents

Carbon dioxide

· **For safety reasons unsuitable extinguishing agents:** Water

· **Special hazards arising from the substance or mixture**

Formation of toxic gases is possible during heating or in case of fire.

· **Advice for firefighters**

· **Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

· **Additional information:** No relevant information available.

## 6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation.

Wear protective clothing.

For large spills, use respiratory protective device against the effects of fumes/dust/aerosol.

· **Environmental precautions** Do not allow to enter sewers/ surface or ground water.

· **Methods and material for containment and cleaning up**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Send for recovery or disposal in suitable receptacles.

Dispose contaminated material as waste according to item 13.

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· **Reference to other sections**

- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.

## 7 Handling and storage

· **Handling**

· **Precautions for safe handling:**

- Avoid splashes or spray in enclosed areas.
- Avoid the formation of oil haze.
- Use only in well ventilated areas.

· **Information about protection against explosions and fires:** No special measures required.

· **Conditions for safe storage, including any incompatibilities**

· **Storage**

· **Requirements to be met by storerooms and receptacles:**

- Avoid storage near extreme heat, ignition sources or open flame.

· **Information about storage in one common storage facility:**

- Store away from foodstuffs.
- Store away from oxidizing agents.

· **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.

· **Specific end use(s)** No relevant information available.

## 8 Exposure controls/personal protection

· **Control parameters**

· **Components with limit values that require monitoring at the workplace:**

- The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

- The usual precautionary measures for handling chemicals should be followed.
- Avoid contact with the eyes.
- Avoid close or long term contact with the skin.
- Keep away from foodstuffs, beverages and feed.
- Do not inhale dust / smoke / mist.

· **Engineering controls:** Provide adequate ventilation.

· **Breathing equipment:**

- Not required under normal conditions of use.
- Use suitable respiratory protective device when aerosol or mist is formed.
- For spills, respiratory protection may be advisable.

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· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Safety glasses

Follow relevant national guidelines concerning the use of protective eyewear.

· **Body protection:**

Not required under normal conditions of use.

Protection may be required for spills.

· **Limitation and supervision of exposure into the environment** No special requirements.

· **Risk management measures** No special requirements.

## 9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **Appearance:**

· **Form:** Liquid

· **Color:** Amber colored

· **Odor:** Characteristic

· **Odor threshold:** Not determined.

· **pH-value:** Not determined.

· **Melting point/Melting range:** Not determined.

· **Boiling point/Boiling range:** Not determined.

· **Flash point:** >176 °C (>349 °F)

· **Flammability (solid, gaseous):** Not applicable.

· **Auto-ignition temperature:** Not determined.

· **Decomposition temperature:** Not determined.

· **Danger of explosion:** Product does not present an explosion hazard.

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|   |   |
|---|---|
| · <b>Explosion limits</b>                         |   |
| <b>Lower:</b>                                     | Not determined.                         |
| <b>Upper:</b>                                     | Not determined.                         |
| · <b>Vapor pressure:</b>                          | Not determined.                         |
| · <b>Density at 20 °C (68 °F):</b>                | 0.862 g/cm <sup>3</sup> (7.193 lbs/gal) |
| · <b>Relative density:</b>                        | Not determined.                         |
| · <b>Vapor density:</b>                           | Not determined.                         |
| · <b>Evaporation rate:</b>                        | Not determined.                         |
| · <b>Solubility in / Miscibility with Water:</b>  | Fully miscible.                         |
| · <b>Partition coefficient (n-octanol/water):</b> | Not determined.                         |
| · <b>Viscosity</b>                                |   |
| <b>Dynamic:</b>                                   | Not determined.                         |
| <b>Kinematic at 20 °C (68 °F):</b>                | 60 mm <sup>2</sup> /s                   |
| · <b>Other information</b>                        | No relevant information available.      |

## 10 Stability and reactivity

- **Reactivity:** No relevant information available.
- **Chemical stability:**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions**  
Reacts with oxidizing agents.  
Reacts with strong alkali.  
Toxic fumes may be released if heated above the decomposition point.
- **Conditions to avoid** No relevant information available.
- **Incompatible materials** No relevant information available.
- **Hazardous decomposition products**  
Carbon monoxide and carbon dioxide  
Sulfur oxides (SO<sub>x</sub>)  
Toxic metal oxide smoke

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:** None.
- **Primary irritant effect:**
- **On the skin:** No irritant effect.
- **On the eye:** Slight irritant effect on eyes.

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· **Sensitization:**

Sensitizing effect by skin contact is possible with prolonged exposure.  
Contains 2,5-bis(n-octylidithio)-1,3,4-thiadiazole. May produce an allergic reaction.  
Sensitizing effect by skin contact is possible with prolonged exposure.

· **IARC (International Agency for Research on Cancer):**

None of the ingredients are listed.

· **NTP (National Toxicology Program):**

None of the ingredients are listed.

· **OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

· **Probable route(s) of exposure:**

Ingestion.  
Inhalation.  
Skin contact.  
Eye contact.

· **Acute effects (acute toxicity, irritation and corrosivity):** Irritating to skin.

· **Repeated dose toxicity:** Sensitizing effect by skin contact is possible with prolonged exposure.

· **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

· **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.

· **Carcinogenicity:** Based on available data, the classification criteria are not met.

· **Reproductive toxicity:** Based on available data, the classification criteria are not met.

· **STOT-single exposure:** Based on available data, the classification criteria are not met.

· **STOT-repeated exposure:** Based on available data, the classification criteria are not met.

· **Aspiration hazard:** Based on available data, the classification criteria are not met.

## 12 Ecological information

· **Toxicity**

· **Aquatic toxicity** No relevant information available.

· **Persistence and degradability** No relevant information available.

· **Bioaccumulative potential:** No relevant information available.

· **Mobility in soil:** No relevant information available.

· **Additional ecological information**

· **General notes:**

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Other adverse effects** No relevant information available.

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### 13 Disposal considerations

- **Waste treatment methods**

- **Recommendation:**

Smaller quantities can be disposed of with household waste.

Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.

Product is recyclable as a waste oil. Deliver unused and/or contaminated product to waste oil collectors.

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.

- **Uncleaned packagings**

- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- **UN-Number**

- DOT, ADR, IMDG, IATA

Not regulated.

- **UN proper shipping name**

- DOT, ADR, IMDG, IATA

Not regulated.

- **Transport hazard class(es)**

- DOT, ADR, IMDG, IATA

- Class

Not regulated.

- **Packing group**

- DOT, ADR, IMDG, IATA

Not regulated.

- **Environmental hazards**

- Marine pollutant:

No

- **Special precautions for user**

Not applicable.

- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

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### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **United States (USA)**
- **SARA**

· **Section 302 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients are listed.

· **TSCA (Toxic Substances Control Act)**

All ingredients are listed.

· **Proposition 65 (California)**

· **Chemicals known to cause cancer:**

None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency):**

None of the ingredients are listed.

· **IARC (International Agency for Research on Cancer):**

None of the ingredients are listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health):**

None of the ingredients are listed.

· **Canadian Domestic Substances List (DSL):**

All ingredients are listed.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Date of preparation / last revision** 01/27/2017 / -

· **Abbreviations and acronyms:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road  
 IMDG: International Maritime Code for Dangerous Goods

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DOT: US Department of Transportation  
IATA: International Air Transport Association  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
NFPA: National Fire Protection Association (USA)  
HMIS: Hazardous Materials Identification System (USA)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
NIOSH: National Institute for Occupational Safety  
OSHA: Occupational Safety & Health  
LDLo: Lowest Lethal Dose Observed  
Flam. Liq. 4: Flammable liquids – Category 4  
Acute Tox. 4: Acute toxicity – Category 4  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A  
Skin Sens. 1: Skin sensitisation – Category 1  
Asp. Tox. 1: Aspiration hazard – Category 1

**Sources**

SDS Prepared by:

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