

## Safety Data Sheet

Issue date: 10/22/2015

v 1

Last Revision Date: 10/22/2015

## 1 Identification

- **Product identifier**

- **Trade name: Terraclean Gear Oil Treatment**

- **Part number:** 204250
    - **Application of the substance / the mixture** gear oil additive

- **Details of the supplier of the safety data sheet**

- **Manufacturer/Supplier:**

Terraclean, division of, CPS Products Canada Ltd.  
1324 Blundel Road  
Mississauga, ON, L4Y 1M5  
Canada  
Phone: (905) 615-8620  
email: customerservice@terraclean.net

- **Emergency telephone number:**

CHEMTREC International +1 (703) 527-3887 (outside the US), 1-800-424-9300 (in the US) 24 hr

## 2 Hazard(s) identification

Classified according to the criteria of the Globally Harmonized System of Classification and Labelling of Chemicals (GHS), OSHA Hazardous Communication Standard (29 CFR 1910.1200) and the Canadian Controlled Products Regulations.

- **Classification of the substance or mixture**

Eye Dam. 1        H318 Causes serious eye damage.  
Skin Sens. 1       H317 May cause an allergic skin reaction.  
Aquatic Acute 3    H402 Harmful to aquatic life.  
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS05   GHS07

- **Signal word** Danger

- **Hazard-determining components of labeling:**

Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts  
Benzenesulfonic acid, C10-60-alkyl derivs., calcium salts

- **Hazard statements**

Causes serious eye damage.  
May cause an allergic skin reaction.  
Harmful to aquatic life.  
Harmful to aquatic life with long lasting effects.

- **Precautionary statements**

Wear protective gloves / eye protection.  
Avoid release to the environment.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Immediately call a POISON CENTER/doctor.

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Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Other hazards**
  - **Results of PBT and vPvB assessment**
    - **PBT:** Not applicable.
    - **vPvB:** Not applicable.

**3 Composition/information on ingredients**

- **Chemical characterization: Mixtures**
  - **Description:** Mixture: consisting of the following hazardous components.

- **Chemical components:**

|            |  |          |
|------------|--|----------|
| 96152-40-8 | 9-Octadecenoic acid (Z)-, isooctyl ester, reaction products with glycerol trioleate and sulfur | 2.5-<10% |
| 68649-42-3 | Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts                                  | 1-≤2.5%  |
| 90194-27-7 | Benzenesulfonic acid, C10-60-alkyl derivs., calcium salts                                      | 1-≤2.5%  |
| 112-90-3   | (Z)-octadec-9-enylamine  | 0.1-<1%  |

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

**4 First-aid measures**

- **Description of first aid measures**
  - **After inhalation:**  
Supply fresh air and to be sure call for a doctor.  
In case of unconsciousness place patient stably in side position for transportation.
  - **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
  - **After eye contact:**  
Rinse cautiously with water. Remove contact lenses, if present and easy to do. Get medical attention if eye irritation develops or persists.
  - **After swallowing:** If symptoms persist consult doctor.
  - **Information for doctor:**
    - **Most important symptoms and effects, both acute and delayed** See section 11.
    - **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

**5 Fire-fighting measures**

- **Extinguishing media**
  - **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture**  
See section 10 for additional information.
- **Advice for firefighters**
  - **Protective equipment:**  
Recommend wearing self-contained breathing apparatus. Water may cause splattering.

**6 Accidental release measures**

- **Personal precautions, protective equipment and emergency procedures**  
Particular danger of slipping on leaked/spilled product.

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Keep away from ignition sources

Avoid eye contact. Avoid repeated or prolonged skin contact.

Do not touch or walk through spilled material.

- **Environmental precautions:**

Inform respective authorities in case of seepage into water course or sewage system.

Take precautions to avoid release to the environment. Prevent from entering into soil, ditches, sewers, waterways and/or groundwater.

- **Methods and material for containment and cleaning up:**

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

Ensure adequate ventilation.

- **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**

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

- **Information about protection against explosions and fires:**

Keep away from ignition sources and high temperature materials.

Protect against electrostatic charges.

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

- **Storage:**

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

See section 10 for incompatible materials.

- **Information about storage in one common storage facility:** Not required.

- **Further information about storage conditions:** None.

- **Specific end use(s)** No further 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.

- **Additional information:** The lists that were valid during the creation were used as basis.

- **Other Exposure Limits**

Contains mineral oil. Under conditions which may generate mists, observe the OSHA PEL of 5 mg per cubic meter, ACGIH TWA of 5 mg per cubic meter.

- **Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

Immediately remove all soiled and contaminated clothing.

Avoid contact with the eyes.

- **Breathing equipment:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Not necessary if room is well-ventilated.

Use suitable respiratory protective device only when aerosol or mist is formed.

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· **Protection of hands:**

Chemical resistant protective gloves

· **Eye protection:**

Safety glasses. If potential for splash or mist exists, wear chemical goggles or faceshield.

**9 Physical and chemical properties**· **Information on basic physical and chemical properties**· **General Information**· **Appearance:**

- **Form:** Fluid
- **Color:** Brown
- **Odor:** Petrol-like
- **Odour threshold:** Not determined.

· **pH-value:** Not determined.· **Change in condition**

- **Melting point/Melting range:** Undetermined.
- **Boiling point/Boiling range:** Undetermined.

· **Flash point:** 182 °C· **Flammability (solid, gaseous):** Not applicable.· **Ignition temperature:**

- **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not selfigniting.· **Danger of explosion:** Product does not present an explosion hazard.· **Explosion limits:**

- **Lower:** Not determined.
- **Upper:** Not determined.

· **Vapor pressure:** Not determined.

- **Density at 20 °C:** 1.064 g/cm<sup>3</sup>
- **Relative density at 15 °C:** 1.074
- **Vapour density:** Not determined.
- **Evaporation rate:** Not determined.

· **Solubility in / Miscibility with**

- **Water:** Not miscible or difficult to mix.

· **Partition coefficient (n-octanol/water):** Not determined.· **Viscosity:**

- **Dynamic:** Not determined.
- **Kinematic at 40 °C:** 143 mm<sup>2</sup>/s

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- **Solvent content:**
- **Organic solvents:** 0.0 %
- **Other information** No further relevant information available.

**10 Stability and reactivity**

- **Reactivity** No further relevant information available.
- **Chemical stability**
  - **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** Strong acids. Oxidizing agents.
- **Hazardous decomposition products:**
  - Nitrogen oxides
  - Hydrogen sulfide
  - Carbon monoxide and carbon dioxide
  - Phosphorus compounds
  - Sulfur oxides (SO<sub>x</sub>)
  - Mercaptans
  - calcium oxides
  - zinc oxides

**11 Toxicological information**

- **Information on toxicological effects**
- **Acute toxicity:**

|   |      |             |
|---|------|-------------|
| · <b>LD/LC50 values that are relevant for classification:</b> |      |             |
| Oral  | LD50 | 25000 mg/kg |

|  |      |                 |
|--|------|-----------------|
| <b>Phosphoric Acid Ester, amine salt</b> |      |                 |
| Oral                                     | LD50 | 500 mg/kg (ATE) |

|   |      |                 |
|---|------|-----------------|
| <b>112-90-3 (Z)-octadec-9-enylamine</b> |      |                 |
| Oral                                    | LD50 | 500 mg/kg (ATE) |

- **Primary irritant effect:**

- **on the skin:**

May cause mild skin irritation. Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis.

- **on the eye:** Strong irritant with the danger of severe eye injury.

- **Sensitization:** Sensitization possible through skin contact.

- **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Irritant

- **Carcinogenic categories**

|   |  |  |
|---|--|--|
| · <b>IARC (International Agency for Research on Cancer)</b> |  |  |
| None of the ingredients is listed.                          |  |  |

|  |  |  |
|--|--|--|
| · <b>NTP (National Toxicology Program)</b> |  |  |
| None of the ingredients is listed.         |  |  |

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

None of the ingredients is listed.

**12 Ecological information**

- **Toxicity**
  - **Aquatic toxicity:** Harmful to aquatic life with long lasting effects.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
  - **Bioaccumulative potential** No further relevant information available.
  - **Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
  - **Remark:** Harmful to fish
- **Additional ecological information:**
  - **General notes:**
    - Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
    - Harmful to aquatic organisms
- **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.
- **Other adverse effects** Avoid release to the environment.

**13 Disposal considerations**

- **Waste treatment methods**
  - **Recommendation:**
    - Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
  - **Recommendation:** Disposal must be made according to official regulations.

**14 Transport information**

- |                                     |               |
|-------------------------------------|---------------|
| · <b>UN-Number</b>                  |               |
| · DOT, IMDG, IATA                   | Not Regulated |
| · TDG                               | Not Regulated |
| · <b>UN proper shipping name</b>    |               |
| · DOT, IMDG, IATA                   | Not Regulated |
| · TDG                               | Not Regulated |
| · <b>Transport hazard class(es)</b> |               |
| · DOT, IMDG, IATA                   |               |
| · Class                             | Not Regulated |
| · TDG                               |               |
| · Class                             | Not Regulated |
| · <b>Packing group</b>              |               |
| · DOT, IMDG, IATA                   | Not Regulated |
| · TDG                               | Not Regulated |

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|  |                 |
|--|-----------------|
| · <b>Environmental hazards:</b>  | Not applicable. |
| · <b>Special precautions for user</b>  | Not applicable. |
| · <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | Not applicable. |
| · <b>UN "Model Regulation":</b>  | Not Regulated   |

**15 Regulatory information**

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **Sara**

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

None of the ingredients is listed.

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

None of the ingredients is listed.

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

All ingredients are listed.

· **Proposition 65**

· **Chemicals known to cause cancer:**

None of the ingredients is listed.

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

None of the ingredients is listed.

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

None of the ingredients is listed.

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

None of the ingredients is listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

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

None of the ingredients is listed.

· **Canadian substance listings:**

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

All ingredients are listed.

· **Canadian Ingredient Disclosure list (limit 0.1%)**

None of the ingredients is listed.

· **Canadian Ingredient Disclosure list (limit 1%)**

None of the ingredients is listed.

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**· Hazard pictograms**

GHS05 GHS07

**· Signal word** Danger**· Hazard-determining components of labeling:**

Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts  
Benzenesulfonic acid, C10-60-alkyl derivs., calcium salts

**· Hazard statements**

Causes serious eye damage.  
May cause an allergic skin reaction.  
Harmful to aquatic life.  
Harmful to aquatic life with long lasting effects.

**· Precautionary statements**

Wear protective gloves / eye protection.  
Avoid release to the environment.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Immediately call a POISON CENTER/doctor.  
Dispose of contents/container in accordance with local/regional/national/international regulations.

**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.

**· Contact:** Engineering Department**· Issue Date** October 22, 2015**· Revision Changes:** v 1.0 - original SDS release (October 22, 2015)**· Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods  
DOT: US Department of Transportation  
IATA: International Air Transport Association  
ACGIH: American Conference of Governmental Industrial Hygienists  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1  
Skin Sens. 1: Sensitisation - Skin, Hazard Category 1  
Aquatic Acute 3: Hazardous to the aquatic environment - Acute Hazard, Category 3  
Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

NA