

Safety Data Sheet

Printing date 11/25/2016

Reviewed on 11/25/2016

1 Identification

- **Product identifier**
- **Trade name:** Red Lithium Complex EP2
- **Article number:** Red EP2 Semi Syn
- **Details of the supplier of the safety data sheet**
- **Manufacturer:**
Canoil Canada Ltd.
2525 Dunwin Drive, Unit 8
Mississauga, Ontario, L5L 1R9
Canada
info@canoilcanadalt.com
- **Information department:** Technical Department
- **Emergency telephone number:** During normal operating hours: +1 (905) 820-2022

2 Hazard(s) identification

- **Classification of the substance or mixture**
Skin Sensitizer - Category 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-determining components of labeling:**
NAPHTHALENESULFONIC ACID, DINONYL-, CALCIUM SALT (2:1)
- **Hazard statements**
May cause an allergic skin reaction.
- **Precautionary statements**
If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.
Wear protective gloves/protective clothing/eye protection/face protection.
Specific treatment (see on this label).
If skin irritation or rash occurs: Get medical advice/attention.
IF ON SKIN: Wash with plenty of water.
Take off contaminated clothing and wash it before reuse.
Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Hazard description:**
- **WHMIS-symbols:**
D2B - Toxic material causing other toxic effects

(Contd. on page 2)

_____ CA

Safety Data Sheet

Printing date 11/25/2016

Reviewed on 11/25/2016

Trade name: Red Lithium Complex EP2

(Contd. of page 1)



- Classification system:
- NFPA ratings (scale 0 - 4)



Health = 1
Fire = 1
Reactivity = 0

- HMIS-ratings (scale 0 - 4)



Health = 1
Fire = 1
Reactivity = 0

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

3 Composition/information on ingredients

- Chemical characterization: Mixtures
- Description: Mixture of the substances listed below with nonhazardous additions.
- Dangerous components: Void

4 First-aid measures

- Description of first aid measures
- General information: Immediately remove any clothing soiled by the product.
- 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 opened eye for several minutes under running water.
- After swallowing: If symptoms persist consult doctor.
- Information for doctor:
- Most important symptoms and effects, both acute and delayed No further relevant information available.
- Indication of any immediate medical attention and special treatment needed
No further relevant information available.

5 Fire-fighting measures

- Extinguishing media
- Suitable extinguishing agents: Use fire fighting measures that suit the environment.
- Special hazards arising from the substance or mixture No further relevant information available.

(Contd. on page 3)

----- CA

Safety Data Sheet

Printing date 11/25/2016

Reviewed on 11/25/2016

Trade name: Red Lithium Complex EP2

(Contd. of page 2)

- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **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).
Dispose contaminated material as waste according to item 13.
- **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** No special precautions are necessary if used correctly.
- **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:** No special requirements.
- **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

- **Additional information about design of technical systems:** No further data; see item 7.
- **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.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
- **Breathing equipment:** Not required.
- **Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

(Contd. on page 4)

_____ CA

Safety Data Sheet

Printing date 11/25/2016

Reviewed on 11/25/2016

Trade name: Red Lithium Complex EP2

(Contd. of page 3)

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:** Goggles recommended during refilling.

9 Physical and chemical properties

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

- **General Information**

- **Appearance:**

Form: Semi-Solid

Color: Red

- **Odor:** *Petroleum-like*

- **Odor threshold:** *Not determined.*

- **pH-value:** *Not determined.*

- **Change in condition**

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: 338 °C

- **Flash point:** *255 °C*

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

- **Ignition temperature:** *> 315 °C*

- **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:** *0.91056 g/cm³*

- **Relative density** *Not determined.*

- **Vapor 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: Not determined.

(Contd. on page 5)

_____ CA

Safety Data Sheet

Printing date 11/25/2016

Reviewed on 11/25/2016

Trade name: Red Lithium Complex EP2

(Contd. of page 4)

- | | | |
|----------------------------|--|--|
| • Solvent content: | | |
| • Organic solvents: | 0.0 % | |
| • Solids content: | 10.9 % | |
| • 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:** No further relevant information available.

11 Toxicological information

- **Information on toxicological effects**

- **LD/LC50 values that are relevant for classification:**

Oral LD50 3839 mg/kg (rat)

Dermal LD50 130719 mg/kg (rabbit)

68457-79-4 Zinc Dialkylthiophosphate

Oral LD50 2000-5000 mg/kg (rat)

Dermal LD50 >2000 mg/kg (rabbit)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **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**

- **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

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

None of the ingredients is listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information

(Contd. on page 6)

CA

Safety Data Sheet

Printing date 11/25/2016

Reviewed on 11/25/2016

Trade name: Red Lithium Complex EP2

(Contd. of page 5)

- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (Self-assessment): slightly hazardous for water
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 further relevant information available.

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

• UN-Number	
• DOT, TDG, ADN, IMDG, IATA	not regulated
• UN proper shipping name	
• DOT, TDG, ADN, IMDG, IATA	not regulated
• Transport hazard class(es)	
• DOT, TDG, ADN, IMDG, IATA	
• Class	not regulated
• Packing group	
• DOT, TDG, 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.
• UN "Model Regulation":	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.

(Contd. on page 7)

CA

*

Safety Data Sheet

Printing date 11/25/2016

Reviewed on 11/25/2016

Trade name: Red Lithium Complex EP2

(Contd. of page 6)

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

68457-79-4	Zinc Dialkylthiophosphate	1.53%
15874-48-3	antimony 0,0-dipropylphosphorodithioate	0.6%

- **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.

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

- **Hazard pictograms**

GHS07

- **Signal word** Warning

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

NAPHTHALENESULFONIC ACID, DINONYL-, CALCIUM SALT (2:1)

- **Hazard statements**

May cause an allergic skin reaction.

- **Precautionary statements**

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

Wear protective gloves/protective clothing/eye protection/face protection.

(Contd. on page 8)

----- CA

Safety Data Sheet

Printing date 11/25/2016

Reviewed on 11/25/2016

Trade name: Red Lithium Complex EP2

(Contd. of page 7)

Specific treatment (see on this label).

If skin irritation or rash occurs: Get medical advice/attention.

IF ON SKIN: Wash with plenty of water.

Take off contaminated clothing and wash it before reuse.

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

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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.

- **Department issuing MSDS:** Technical Department

- **Date of preparation / last revision** 11/25/2016

- **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)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

WHMIS: Workplace Hazardous Materials Information System (Canada)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Skin Sensitizer - Category 1: Sensitisation - Skin, Hazard Category 1

- *** Data compared to the previous version altered.**

C A