



# SAFETY DATA SHEET

## 1. Identification

|   |   |  |
|---|---|--|
| <b>Product identifier</b>                                     | <b>Sta-Plex™ Extreme Pressure Premium Red Grease</b>            |  |
| <b>Other means of identification</b>                          |   |  |
| <b>Product Code</b>   | No. 73190 (Item# 1006188)                                       |  |
| <b>Recommended use</b>  | Lubricating grease  |  |
| <b>Recommended restrictions</b>                               | None known.   |  |
| <b>Manufacturer/Importer/Supplier/Distributor information</b> |   |  |
| <b>Manufactured or sold by:</b>                               |   |  |
| <b>Company name</b>   | CRC Canada Co.  |  |
| <b>Address</b>  | 83 Galaxy Blvd<br>Unit 35 - 37<br>Toronto, ON M9W 5X6<br>Canada |  |
| <b>Telephone</b>  |   |  |
| <b>General Information</b>                                    | 416-847-7750  |  |
| <b>24-Hour Emergency (CHEMTREC)</b>                           | 800-424-9300 (Canada)   |  |
| <b>Website</b>  | www.crc-canada.ca   |  |
| <b>E-mail</b>   | Support.CA@crcindustries.com                                    |  |

## 2. Hazard identification

|                              |                                   |             |
|------------------------------|-----------------------------------|-------------|
| <b>Physical hazards</b>      | Not classified.                   |             |
| <b>Health hazards</b>        | Serious eye damage/eye irritation | Category 2A |
|                              | Sensitization, skin               | Category 1  |
| <b>Environmental hazards</b> | Not classified.                   |             |
| <b>Label elements</b>        |                                   |             |



|                                 |   |  |
|---------------------------------|---|--|
| <b>Signal word</b>              | Warning   |  |
| <b>Hazard statement</b>         | May cause an allergic skin reaction. Causes serious eye irritation.   |  |
| <b>Precautionary statement</b>  |   |  |
| <b>Prevention</b>               | Avoid breathing dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear eye protection/face protection. Wear protective gloves.  |  |
| <b>Response</b>                 | IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |  |
| <b>Storage</b>                  | Store away from incompatible materials.   |  |
| <b>Disposal</b>                 | Dispose of contents/container in accordance with local/regional/national/international regulations.   |  |
| <b>Other hazards</b>            | None known.   |  |
| <b>Supplemental information</b> | None.   |  |

## 3. Composition/information on ingredients

### Mixtures

| Chemical name   | Common name and synonyms | CAS number | %         |
|---|--------------------------|------------|-----------|
| distillates (petroleum), hydrotreated heavy naphthenic        |                          | 64742-52-5 | 60 - 80   |
| distillates (petroleum), solvent-dewaxed heavy paraffinic     |                          | 64742-65-0 | 15 - 40   |
| calcium carbonate   |                          | 471-34-1   | 3 - 7     |
| phosphorodithioic acid, o,o-di-c1-14-alkyl esters, zinc salts |                          | 68649-42-3 | 1 - 5     |
| 2-(2-cis-heptadec-8-enyl-2-imidazolyl)ethanol                 |                          | 95-38-5    | 0.5 - 1.5 |

The exact percentage (concentration) of composition has been withheld as a trade secret. All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

#### 4. First-aid measures

|   |   |
|---|---|
| <b>Inhalation</b>   | Move to fresh air. Call a physician if symptoms develop or persist.   |
| <b>Skin contact</b>   | Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.                              |
| <b>Eye contact</b>  | Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.           |
| <b>Ingestion</b>  | Rinse mouth. Never give anything by mouth to a victim who is unconscious or is having convulsions. Do not induce vomiting without advice from poison control center. Get medical attention if symptoms occur. |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause an allergic skin reaction. Dermatitis. Rash.  |
| <b>Indication of immediate medical attention and special treatment needed</b> | Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.  |
| <b>General information</b>  | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.   |

#### 5. Fire-fighting measures

|  |  |
|--|--|
| <b>Suitable extinguishing media</b>                                  | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  |
| <b>Unsuitable extinguishing media</b>                                | None known.  |
| <b>Specific hazards arising from the chemical</b>                    | During fire, gases hazardous to health may be formed.  |
| <b>Special protective equipment and precautions for firefighters</b> | Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. |
| <b>Fire fighting equipment/instructions</b>                          | Use water spray to cool unopened containers.   |
| <b>Specific methods</b>  | Use standard firefighting procedures and consider the hazards of other involved materials.   |
| <b>General fire hazards</b>  | No unusual fire or explosion hazards noted.  |

#### 6. Accidental release measures

|  |  |
|--|--|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS. |
| <b>Methods and materials for containment and cleaning up</b>               | The product is immiscible with water and will spread on the water surface.<br><br>Small Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal. Clean surface thoroughly to remove residual contamination.  |
| <b>Environmental precautions</b>   | Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground.   |

## 7. Handling and storage

|   |  |
|---|--|
| <b>Precautions for safe handling</b>                                | Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with eyes, skin, and clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. |
| <b>Conditions for safe storage, including any incompatibilities</b> | Store in a cool, dry place out of direct sunlight. Store at ambient temperature and atmospheric pressure. Keep container tightly closed. Store away from incompatible materials (see Section 10 of the SDS).           |

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. ACGIH Threshold Limit Values

| Components   | Type | Value               | Form                |
|--|------|---------------------|---------------------|
| distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)    | TWA  | 5 mg/m <sup>3</sup> | Inhalable fraction. |
| distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS 64742-65-0) | TWA  | 5 mg/m <sup>3</sup> | Inhalable fraction. |

#### Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

| Components   | Type | Value                | Form  |
|--|------|----------------------|-------|
| calcium carbonate (CAS 471-34-1)   | TWA  | 10 mg/m <sup>3</sup> |       |
| distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)    | STEL | 10 mg/m <sup>3</sup> | Mist. |
|  | TWA  | 5 mg/m <sup>3</sup>  | Mist. |
| distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS 64742-65-0) | STEL | 10 mg/m <sup>3</sup> | Mist. |
|  | TWA  | 5 mg/m <sup>3</sup>  | Mist. |

#### Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

| Components   | Type | Value                | Form                 |
|--|------|----------------------|----------------------|
| calcium carbonate (CAS 471-34-1)   | STEL | 20 mg/m <sup>3</sup> | Total dust.          |
|  | TWA  | 3 mg/m <sup>3</sup>  | Respirable fraction. |
|  |      | 10 mg/m <sup>3</sup> | Total dust.          |
| distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS 64742-65-0) | TWA  | 1 mg/m <sup>3</sup>  | Mist.                |

#### Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)

| Components   | Type | Value               | Form                |
|--|------|---------------------|---------------------|
| distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)    | TWA  | 5 mg/m <sup>3</sup> | Inhalable fraction. |
| distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS 64742-65-0) | TWA  | 5 mg/m <sup>3</sup> | Inhalable fraction. |

#### Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety)

| Components                       | Type | Value                | Form        |
|----------------------------------|------|----------------------|-------------|
| calcium carbonate (CAS 471-34-1) | TWA  | 10 mg/m <sup>3</sup> | Total dust. |

**Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety)**

| Components   | Type | Value                | Form  |
|--|------|----------------------|-------|
| distillates (petroleum),<br>hydrotreated heavy<br>naphthenic (CAS<br>64742-52-5) | STEL | 10 mg/m <sup>3</sup> | Mist. |
|  | TWA  | 5 mg/m <sup>3</sup>  | Mist. |
| distillates (petroleum),<br>solvent-dewaxed heavy<br>paraffinic (CAS 64742-65-0) | STEL | 10 mg/m <sup>3</sup> | Mist. |
|  | TWA  | 5 mg/m <sup>3</sup>  | Mist. |

**Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21)**

| Components   | Type      | Value                |
|--|-----------|----------------------|
| calcium carbonate (CAS<br>471-34-1)  | 15 minute | 20 mg/m <sup>3</sup> |
|  | 8 hour    | 10 mg/m <sup>3</sup> |
| distillates (petroleum),<br>hydrotreated heavy<br>naphthenic (CAS<br>64742-52-5) | 15 minute | 10 mg/m <sup>3</sup> |
|  | 8 hour    | 5 mg/m <sup>3</sup>  |
| distillates (petroleum),<br>solvent-dewaxed heavy<br>paraffinic (CAS 64742-65-0) | 15 minute | 10 mg/m <sup>3</sup> |
|  | 8 hour    | 5 mg/m <sup>3</sup>  |

**Biological limit values**

No biological exposure limits noted for the ingredient(s).

**Exposure guidelines**

Occupational Exposure Limits are not relevant to the current physical form of the product.

**Appropriate engineering controls**

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Individual protection measures, such as personal protective equipment****Eye/face protection**

Wear safety glasses with side shields (or goggles).

**Skin protection****Hand protection**

Wear protective gloves such as: Latex gloves. Rubber gloves.

**Other**

Wear suitable protective clothing.

**Respiratory protection**

If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a NIOSH-approved cartridge respirator with an organic vapor cartridge. Use a self-contained breathing apparatus in confined spaces and for emergencies. Air monitoring is needed to determine actual employee exposure levels.

**Thermal hazards**

Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations**

When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**9. Physical and chemical properties****Appearance****Physical state**

Solid.

**Form**

Grease.

**Color**

Red.

**Odor**

Mild petroleum.

**Odor threshold**

Not available.

**pH**

Not available.

**Melting point/freezing point**

Not available.

**Initial boiling point and boiling range**

680 °F (360 °C) estimated

|   |  |
|---|--|
| <b>Flash point</b>                                  | 475 °F (246.1 °C) Cleveland Open Cup     |
| <b>Evaporation rate</b>                             | Slow.                                    |
| <b>Flammability (solid, gas)</b>                    | Not available.                           |
| <b>Upper/lower flammability or explosive limits</b> |  |
| <b>Flammability limit - lower (%)</b>               | Not available.                           |
| <b>Flammability limit - upper (%)</b>               | Not available.                           |
| <b>Vapor pressure</b>                               | Not available.                           |
| <b>Vapor density</b>                                | Not available.                           |
| <b>Relative density</b>                             | 0.9                                      |
| <b>Solubility(ies)</b>                              |  |
| <b>Solubility (water)</b>                           | Insoluble.                               |
| <b>Partition coefficient (n-octanol/water)</b>      | Not available.                           |
| <b>Auto-ignition temperature</b>                    | 500 °F (260 °C) estimated                |
| <b>Decomposition temperature</b>                    | Not available.                           |
| <b>Viscosity</b>                                    | > 21 mm <sup>2</sup> /s (104 °F (40 °C)) |

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## 10. Stability and reactivity

|   |   |
|---|---|
| <b>Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| <b>Chemical stability</b>                 | Material is stable under normal conditions.   |
| <b>Possibility of hazardous reactions</b> | No dangerous reaction known under conditions of normal use.                                   |
| <b>Conditions to avoid</b>                | Contact with incompatible materials.  |
| <b>Incompatible materials</b>             | Acids. Fluorine.  |
| <b>Hazardous decomposition products</b>   | Carbon oxides. Sulfur oxides. Metal oxides.   |

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## 11. Toxicological information

### Information on likely routes of exposure

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | Prolonged inhalation may be harmful.                        |
| <b>Skin contact</b> | May cause an allergic skin reaction.                        |
| <b>Eye contact</b>  | Causes serious eye irritation.                              |
| <b>Ingestion</b>    | Health injuries are not known or expected under normal use. |

|   |  |
|---|--|
| <b>Symptoms related to the physical, chemical and toxicological characteristics</b> | Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause an allergic skin reaction. Dermatitis. Rash. |
|---|--|

### Information on toxicological effects

|                       |            |
|-----------------------|------------|
| <b>Acute toxicity</b> | Not known. |
|-----------------------|------------|

| Components                       | Species | Test Results |
|----------------------------------|---------|--------------|
| calcium carbonate (CAS 471-34-1) |         |              |
| <b>Acute</b>                     |         |              |
| <b>Dermal</b>                    |         |              |
| LD50                             | Rabbit  | > 2000 mg/kg |
| <b>Inhalation</b>                |         |              |
| LC50                             | Rat     | > 3 mg/l     |
| <b>Oral</b>                      |         |              |
| LD50                             | Rat     | 6450 mg/kg   |

| Components   | Species | Test Results |
|--|---------|--------------|
| distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)    |         |              |
| <b>Acute</b>   |         |              |
| <b>Dermal</b>  |         |              |
| LD50   | Rabbit  | > 2000 mg/kg |
| <b>Oral</b>  |         |              |
| LD50   | Rat     | > 5000 mg/kg |
| distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS 64742-65-0) |         |              |
| <b>Acute</b>   |         |              |
| <b>Dermal</b>  |         |              |
| LD50   | Rabbit  | > 5000 mg/kg |
| <b>Oral</b>  |         |              |
| LD50   | Rat     | > 5000 mg/kg |

\* Estimates for product may be based on additional component data not shown.

**Skin corrosion/irritation** Prolonged skin contact may cause temporary irritation.

**Serious eye damage/eye irritation** Causes serious eye irritation.

**Respiratory or skin sensitization**

**Canada - Alberta OELs: Irritant**

calcium carbonate (CAS 471-34-1) Irritant

**Respiratory sensitization** Not a respiratory sensitizer.

**Skin sensitization** May cause an allergic skin reaction.

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity**

**ACGIH Carcinogens**

distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5) A4 Not classifiable as a human carcinogen.

distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS 64742-65-0) A4 Not classifiable as a human carcinogen.

**Canada - Manitoba OELs: carcinogenicity**

distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5) Not classifiable as a human carcinogen.

distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS 64742-65-0) Not classifiable as a human carcinogen.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS 64742-65-0) 3 Not classifiable as to carcinogenicity to humans.

**Reproductive toxicity** This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure** Not classified.

**Specific target organ toxicity - repeated exposure** Not classified.

**Aspiration hazard** Not an aspiration hazard.

**12. Ecological information**

**Ecotoxicity** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

| Components                       | Species | Test Results  |
|----------------------------------|---------|---|
| calcium carbonate (CAS 471-34-1) |         |   |
| <b>Aquatic</b>                   |         |   |
| <i>Acute</i>                     |         |   |
| Fish                             | LC50    | Western mosquitofish ( <i>Gambusia affinis</i> ) > 56000 mg/l, 96 hours |

| Components   | Species | Test Results  |
|--|---------|---|
| distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)        |         |   |
| <b>Aquatic</b>   |         |   |
| Crustacea  | EC50    | Water flea (Daphnia magna) 1000 mg/l, 48 hours                          |
| Fish   | LC50    | Rainbow trout,donaldson trout (Oncorhynchus mykiss) 5000 mg/l, 96 hours |
| phosphorodithioic acid, o,o-di-c1-14-alkyl esters, zinc salts (CAS 68649-42-3) |         |   |
| <b>Aquatic</b>   |         |   |
| Crustacea  | EC50    | Water flea (Daphnia magna) 1 - 5 mg/l, 48 hours                         |
| Fish   | LC50    | Fathead minnow (Pimephales promelas) 1 - 5 mg/l, 96 hours               |

\* Estimates for product may be based on additional component data not shown.

#### Persistence and degradability

**Bioaccumulative potential** No data available.

**Mobility in soil** No data available.

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

### 13. Disposal considerations

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

**Contaminated packaging** Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

### 14. Transport information

#### TDG

Not regulated as dangerous goods.

#### IATA

Not regulated as dangerous goods.

#### IMDG

Not regulated as dangerous goods.

### 15. Regulatory information

**Canadian regulations** This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

#### Controlled Drugs and Substances Act

Not regulated.

#### Export Control List (CEPA 1999, Schedule 3)

Not listed.

#### Greenhouse Gases

Not listed.

#### Ontario. Toxic Substances. Toxic Reduction Act, 2009. Regulation 455/09 (July 1, 2011)

phosphorodithioic acid, o,o-di-c1-14-alkyl esters, zinc salts (CAS 68649-42-3)

#### Precursor Control Regulations

Not regulated.

#### International regulations

##### Stockholm Convention

Not applicable.

##### Rotterdam Convention

Not applicable.

##### Kyoto protocol

Not applicable.

**Montreal Protocol**

Not applicable.

**Basel Convention**

Not applicable.

**International Inventories**

| Country(s) or region        | Inventory name   | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| Australia                   | Australian Inventory of Chemical Substances (AICS)                     | Yes                    |
| Canada                      | Domestic Substances List (DSL)   | Yes                    |
| Canada                      | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)             | Yes                    |
| Europe                      | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes                    |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | No                     |
| Korea                       | Existing Chemicals List (ECL)  | Yes                    |
| New Zealand                 | New Zealand Inventory  | Yes                    |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | Yes                    |
| Taiwan                      | Taiwan Chemical Substance Inventory (TCSI)                             | Yes                    |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                          | Yes                    |

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. Other information**

**Issue date** 05-10-2017

**Revision date** 11-05-2018

**Version #** 03

**Disclaimer** The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. This information is accurate to the best of CRC's knowledge or obtained from sources believed by CRC to be accurate. Before using any product, read all warnings and directions on the label. For further clarification of any information contained on this (M)SDS consult your supervisor, a health & safety professional, or CRC Canada Co..

**Revision information** Product and Company Identification: Product and Company Identification  
Hazard identification: Prevention  
Handling and storage: Precautions for safe handling  
Physical & Chemical Properties: Multiple Properties