

# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
Regulation (EC) No. 1907/2006, Regulation (EC) No. 1272/2008 and Regulation (EC) No. 2020/878

## Greenlube EP-0 Li-Free

Revision date 07-05-2024

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Revision Number 1

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product Name Greenlube EP-0 Li-Free

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use Lubricating grease.  
Uses advised against No information available.

#### 1.3. Details of the supplier of the safety data sheet

##### Manufacturer

Groeneveld Transport Efficiency B.V.  
Stephensonweg 12  
4207 HB Gorinchem  
The Netherlands  
Telephone: +31 (0) 183 641 400

##### For further information, please contact

##### E-mail address

info@groeneveld-beka.com

#### 1.4. Emergency telephone number

Emergency Telephone +31 (0) 183 641 400 during working hours.

Emergency Telephone - §45 - (EC)1272/2008
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Europe	112
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### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Regulation (EC) No 1272/2008

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

#### 2.2. Label elements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

#### 2.3. Other hazards

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

This product does not contain any known or suspected endocrine disruptors.

### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

Not applicable.

#### 3.2 Mixtures

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

The product contains no substances which at their given concentration, are considered to be hazardous to health

Chemical name	Weight-%	REACH registration number	CAS No.	EC No (EU Index No)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
Distillates (petroleum), hydrotreated heavy naphthenic	30-60	01-21194671 70-45	64742-52-5	265-155-0	No data available	-	-	-
Residual oils (petroleum), solvent-dewaxed	15-40	01-21194892 87-22	64742-57-0	265-160-8	No data available	-	-	-
Calcium(2+) 12-hydroxyoctadecanoate	2.5-5	01-21199703 35-35	3159-62-4	221-605-8	No data available	-	-	-
Calcium carbonate	<2.5	Exempted Annex V.7	1317-65-3	215-279-6	No data available	-	-	-
Sulfonic acids, petroleum, calcium salts, overbased	<1	No data available	68783-96-0	272-213-9	No data available	-	-	-
Sulphurized vegetable fatty oils and olefins	<1	Exempted - monomers registered	68153-37-7	268-883-7	No data available	-	-	-
1,3,4-Thiadiazolidine-2,5-dithione, reaction products with hydrogen peroxide and tert-nonanethiol	<1	01-21199763 51-35	91648-65-6	293-927-7	Aquatic Chronic 3 (H412)	-	-	-
Distillates (petroleum), hydrotreated light naphthenic	<1	No data available	64742-53-6	265-156-6	-	-	-	-
Calcium long chain alkyl salicylate	<1	Registered	UNKNOWN	-	No data available	-	-	-
Fatty acids, vegetable-oil, Me esters, sulfurized	<0.25	Exempted - monomers registered	72102-30-8	276-337-4	No data available	-	-	-
Benzenesulfonic acid, mono-C16-24-alkyl derivatives, calcium salts	<0.25	01-21194926 16-28	70024-69-0	274-263-7	No data available	-	-	-

Mineral oil (info in PDS)	<0.25	Registered	UNKNOWN	-	No data available	-	-	-
Distillates, petroleum, solvent-dewaxed light paraffinic	<0.1	01-21194801 32-48	64742-56-9	265-159-2	Asp. Tox. 1 (H304)	-	-	-
C14-16-18 Alkyl phenol	<0.1	01-21194982 88-19	1190625-94-5	931-468-2	Skin Sens. 1B (H317) STOT RE 2 (H373)	-	-	-
Calcium dihydroxide	<0.1	01-21194751 51-45	1305-62-0	215-137-3	Eye Dam. 1 (H318) Skin Irrit. 2 (H315) STOT SE 3 (H335)	-	-	-

**Ingredient comments**

This product is a anhydrous calciumgrease based on mineral oil with additives . The mineral oils in the product contain <3% DMSO-extract (IP 346).

**Full text of H- and EUH-phrases: see section 16**

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapor - mg/L	Inhalation LC50 - 4 hour - gas - ppm
Distillates (petroleum), hydrotreated heavy naphthenic 64742-52-5	5000	5000	No data available	No data available	No data available
Sulfonic acids, petroleum, calcium salts, overbased 68783-96-0	5000	2000	No data available	No data available	No data available
1,3,4-Thiadiazolidine-2,5-dithione, reaction products with hydrogen peroxide and tert-nonanethiol 91648-65-6		2000	No data available	No data available	No data available
Distillates (petroleum), hydrotreated light naphthenic 64742-53-6	5000	2000	No data available	No data available	No data available
Fatty acids, vegetable-oil, Me esters, sulfurized 72102-30-8		2000	No data available	No data available	No data available
Benzenesulfonic acid, mono-C16-24-alkyl derivatives, calcium salts 70024-69-0	2000	5000	No data available	No data available	No data available
Distillates, petroleum, solvent-dewaxed light paraffinic 64742-56-9	5000	5000	No data available	No data available	No data available
C14-16-18 Alkyl phenol 1190625-94-5		2000	No data available	No data available	No data available
Calcium dihydroxide 1305-62-0	7340	2500	No data available	No data available	No data available

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>General advice</b>	Show this safety data sheet to the doctor in attendance.
<b>Inhalation</b>	Move to fresh air in case of accidental inhalation of vapors.
<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin contact</b>	Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.
<b>Ingestion</b>	Rinse mouth. Do not induce vomiting without medical advice. Get medical attention if symptoms occur.
<b>Self-protection of the first aider</b>	No information available.

### 4.2. Most important symptoms and effects, both acute and delayed

<b>Symptoms</b>	No information available.
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### 4.3. Indication of any immediate medical attention and special treatment needed

<b>Note to physicians</b>	Treat symptomatically.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. CO <sub>2</sub> , dry chemical, dry sand, alcohol-resistant foam.
<b>Large Fire</b>	CAUTION: Use of water spray when fighting fire may be inefficient.
<b>Unsuitable extinguishing media</b>	Do not use a solid water stream as it may scatter and spread fire.

### 5.2. Special hazards arising from the substance or mixture

<b>Specific hazards arising from the chemical</b>	Fire may produce irritating, corrosive and/or toxic gases.
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### 5.3. Advice for firefighters

<b>Special protective equipment and precautions for fire-fighters</b>	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.
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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

<b>Personal precautions</b>	Ensure adequate ventilation. Extremely slippery when spilled.
<b>For emergency responders</b>	Use personal protection recommended in Section 8.

**6.2. Environmental precautions**

**Environmental precautions** See Section 12 for additional Ecological Information.

**6.3. Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Take up with sand or other non-combustible absorbent material and place into containers for later disposal.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

**6.4. Reference to other sections**

**Reference to other sections** See section 8 for more information. See section 13 for more information.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

**Advice on safe handling** Ensure adequate ventilation. Avoid contact with eyes and prolonged or repeated contact with skin.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

**7.2. Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep container tightly closed in a dry and well-ventilated place. Store at temperatures not exceeding 45 °C/ 113 °F.

**7.3. Specific end use(s)**

**Risk Management Methods (RMM)** The information required is contained in this Safety Data Sheet.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters**

**Exposure Limits** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical name	European Union	Austria	Belgium	Bulgaria	Croatia
Calcium carbonate 1317-65-3	-	-	TWA: 10 mg/m <sup>3</sup>	TWA: 1.0 fiber/cm <sup>3</sup> TWA: 10 mg/m <sup>3</sup>	-
Calcium dihydroxide 1305-62-0	STEL: 4 mg/m <sup>3</sup> respirable fraction TWA: 1 mg/m <sup>3</sup> respirable fraction	TWA: 1 mg/m <sup>3</sup> STEL 4 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup> STEL: 4 mg/m <sup>3</sup>	STEL: 4 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup> STEL: 4 mg/m <sup>3</sup>
Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
Calcium carbonate 1317-65-3	-	TWA: 10.0 mg/m <sup>3</sup>	-	TWA: 10 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>	-
Calcium dihydroxide 1305-62-0	STEL: 4 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup> Ceiling: 4 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup> STEL: 4 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup> STEL: 4 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup> STEL: 4 mg/m <sup>3</sup>
Chemical name	France	Germany TRGS	Germany DFG	Greece	Hungary

Calcium carbonate 1317-65-3	-	-	-	TWA: 10 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>
Calcium dihydroxide 1305-62-0	TWA: 1 mg/m <sup>3</sup> STEL: 4 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup> Peak: 2 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup> STEL: 4 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup> STEL: 4 mg/m <sup>3</sup>
Chemical name	Ireland	Italy MDLPS	Italy AIDII	Latvia	Lithuania
Calcium carbonate 1317-65-3	TWA: 10 mg/m <sup>3</sup> TWA: 4 mg/m <sup>3</sup> STEL: 30 mg/m <sup>3</sup> STEL: 12 mg/m <sup>3</sup>	-	-	-	-
Calcium dihydroxide 1305-62-0	TWA: 1 mg/m <sup>3</sup> STEL: 4 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup> STEL: 4 mg/m <sup>3</sup>	O* TWA: 1 mg/m <sup>3</sup> STEL: 4 mg/m <sup>3</sup>
Chemical name	Luxembourg	Malta	Netherlands	Norway	Poland
Calcium dihydroxide 1305-62-0	STEL: 4 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup>	STEL: 4 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup> STEL: 4 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup> STEL: 4 mg/m <sup>3</sup>	STEL: 4 mg/m <sup>3</sup> STEL: 6 mg/m <sup>3</sup> TWA: 2 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup>
Chemical name	Portugal	Romania	Slovakia	Slovenia	Spain
Calcium carbonate 1317-65-3	-	TWA: 10 mg/m <sup>3</sup>	-	-	-
Calcium dihydroxide 1305-62-0	TWA: 1 mg/m <sup>3</sup> STEL: 4 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup> STEL: 4 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup> STEL: 4 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup> STEL: 4 mg/m <sup>3</sup>
Chemical name	Sweden		Switzerland		United Kingdom
Calcium carbonate 1317-65-3	-		-		TWA: 10 mg/m <sup>3</sup> TWA: 4 mg/m <sup>3</sup> STEL: 30 mg/m <sup>3</sup> STEL: 12 mg/m <sup>3</sup>
Calcium dihydroxide 1305-62-0	NGV: 1 mg/m <sup>3</sup> Bindande KGV: 4 mg/m <sup>3</sup>		TWA: 1 mg/m <sup>3</sup> STEL: 4 mg/m <sup>3</sup>		TWA: 1 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup> STEL: 4 mg/m <sup>3</sup> STEL: 15 mg/m <sup>3</sup>

**Biological occupational exposure limits** This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

**Derived No Effect Level (DNEL)** No information available.

**Predicted No Effect Concentration (PNEC)** No information available.

## 8.2. Exposure controls

**Engineering controls** Eyewash stations. Ventilation systems.

**Personal protective equipment**



**Hand protection**

Wear suitable gloves tested to EN 374. Nitrile rubber. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves.

<b>Eye/face protection</b>	No special protective equipment required. If splashes are likely to occur, wear safety glasses with side-shields.
<b>Skin and body protection</b>	No special protective equipment required.
<b>Respiratory protection</b>	None under normal use conditions. In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice.
<b>Environmental exposure controls</b>	Prevent product from entering drains.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>Physical state</b>	Paste / Gel Liquid
<b>Appearance</b>	Semi-solid
<b>Color</b>	yellow
<b>Odor</b>	No information available
<b>Odor threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>Melting point / freezing point</b>		Not applicable
<b>Initial boiling point and boiling range</b>		Not applicable
<b>Flammability</b>		No information available
<b>Flammability Limit in Air</b>		No information available
<b>Upper flammability or explosive limits</b>	No data available	No information available
<b>Lower flammability or explosive limits</b>	No data available	No information available
<b>Flash point</b>	> 150 °C / > 302 °F	Based on base oils
<b>Autoignition temperature</b>		Not applicable
<b>Decomposition temperature</b>		No information available
<b>pH</b>		Not applicable
<b>pH (as aqueous solution)</b>		No information available
<b>Kinematic viscosity</b>	> 20.5 mm <sup>2</sup> /s	@ 40 °C
<b>Dynamic viscosity</b>	No data available	No information available
<b>Water solubility</b>	Insoluble in water	
<b>Solubility(ies)</b>		No information available
<b>Partition coefficient</b>	No data available	Not applicable
<b>Vapor pressure</b>		Not applicable
<b>Relative density</b>		No information available
<b>Bulk density</b>	No data available	
<b>Liquid Density</b>	< 1000 kg/m <sup>3</sup> @ 25 °C / 77 °F	
<b>Relative vapor density</b>	No data available	Not applicable
<b>Particle characteristics</b>		Not applicable
<b>Particle Size</b>	No information available	
<b>Particle Size Distribution</b>	No information available	

### 9.2. Other information

#### *9.2.1. Information with regard to physical hazard classes*

<b>Explosive properties</b>	None under normal use conditions
<b>Oxidizing properties</b>	No information available

#### *9.2.2. Other safety characteristics*

<b>Evaporation rate</b>	No information available
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**SECTION 10: Stability and reactivity****10.1. Reactivity**

**Reactivity** Stable.

**Stability** Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

**Possibility of hazardous reactions** None under normal processing.

**Hazardous polymerization** Hazardous polymerization does not occur.

**10.4. Conditions to avoid**

**Conditions to avoid** Excessive heat

**10.5. Incompatible materials**

**Incompatible materials** Strong oxidizing agents.

**10.6. Hazardous decomposition products**

**Hazardous decomposition products** None under normal use conditions.

**Explosion data**

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** None.

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

**Product Information** Product does not present an acute toxicity hazard based on known or supplied information.

**Information on likely routes of exposure**

**Inhalation** Not an expected route of exposure. Specific test data for the substance or mixture is not available.

**Eye contact** Not expected to cause eye irritation.

**Skin contact** Non-irritating during normal use. Prolonged or repeated contact may dry skin and cause irritation.



**Ingestion**

No known hazard by swallowing. May cause gastrointestinal discomfort if consumed in large amounts.

**Symptoms related to the physical, chemical and toxicological characteristics****Symptoms**

No information available.

**Numerical measures of toxicity****Acute toxicity**

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	4.944,70 mg/kg
ATEmix (dermal)	3.285,00 mg/kg

**Unknown acute toxicity**

0 % of the mixture consists of ingredient(s) of unknown toxicity

**Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Distillates (petroleum), hydrotreated heavy naphthenic	> 5000 mg/kg	> 5000 mg/kg	-
Calcium(2+) 12-hydroxyoctadecanoate	> 2000 mg/kg ( Rat )	> 2000 mg/kg ( Rat )	-
Calcium carbonate	> 5000 mg/kg ( Rat )	-	-
Sulfonic acids, petroleum, calcium salts, overbased	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 1.9 mg/L ( Rat ) 4 h
Sulphurized vegetable fatty oils and olefins	> 5000 mg/kg ( Rat )	-	-
1,3,4-Thiadiazolidine-2,5-dithione, reaction products with hydrogen peroxide and tert-nonanethiol	-	> 2000 mg/kg ( Rabbit )	> 2.75 mg/L ( Rat ) 4 h
Distillates (petroleum), hydrotreated light naphthenic	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	= 2180 mg/m <sup>3</sup> ( Rat ) 4 h
Calcium long chain alkyl salicylate	> 5000 mg/kg	> 5000 mg/kg	-
Fatty acids, vegetable-oil, Me esters, sulfurized	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rat )	-
Benzenesulfonic acid, mono-C16-24-alkyl derivatives, calcium salts	> 2000 mg/kg ( Rat )	> 5000 mg/kg ( Rabbit )	> 1.9 mg/L ( Rat ) 4 h
Distillates, petroleum, solvent-dewaxed light paraffinic	> 5000 mg/kg ( Rat )	> 5000 mg/kg ( Rabbit )	> 5399 mg/m <sup>3</sup> ( Rat ) 4 h
C14-16-18 Alkyl phenol	-	> 2000 mg/kg ( Rat )	-
Calcium dihydroxide	= 7340 mg/kg ( Rat )	> 2500 mg/kg ( Rat )	> 6.04 mg/L ( Rat ) 4 h

**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Skin corrosion/irritation**

Based on available data, the classification criteria are not met.

**Serious eye damage/eye irritation**

Based on available data, the classification criteria are not met.

**Respiratory or skin sensitization**

Based on available data, the classification criteria are not met.

**Germ cell mutagenicity**

Based on available data, the classification criteria are not met.

**Carcinogenicity**

Based on available data, the classification criteria are not met.

Chemical name	European Union
Distillates (petroleum), hydrotreated heavy naphthenic	Carc. 1B
Residual oils (petroleum), solvent-dewaxed	Carc. 1B
Distillates (petroleum), hydrotreated light naphthenic	Carc. 1B
Distillates, petroleum, solvent-dewaxed light paraffinic	Carc. 1B

**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.

## 11.2. Information on other hazards

### *11.2.1. Endocrine disrupting properties*

**Endocrine disrupting properties** This product does not contain any known or suspected endocrine disruptors.

### *11.2.2. Other information*

**Other adverse effects** No information available.

## SECTION 12: Ecological information

### 12.1. Toxicity

**Ecotoxicity** Not considered to be harmful to aquatic life.

**Unknown aquatic toxicity** Contains 0 % of components with unknown hazards to the aquatic environment.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Sulfonic acids, petroleum, calcium salts, overbased	EC50: >1000mg/L (96h, Pseudokirchneriella subcapitata)	LC50: =40mg/L (96h, Pimephales promelas)	-	EC50: >1000mg/L (48h, Daphnia magna)
Distillates (petroleum), hydrotreated light naphthenic	-	LC50: >5000mg/L (96h, Oncorhynchus mykiss)	-	EC50: >1000mg/L (48h, Daphnia magna)
Distillates, petroleum, solvent-dewaxed light paraffinic	-	LC50: >5000mg/L (96h, Oncorhynchus mykiss)	-	EC50: >1000mg/L (48h, Daphnia magna)

### 12.2. Persistence and degradability

**Persistence and degradability** Not readily biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulation** Material does not bioaccumulate.

Chemical name	Partition coefficient
1,3,4-Thiadiazolidine-2,5-dithione, reaction products with hydrogen peroxide and tert-nonanethiol	9.4
Fatty acids, vegetable-oil, Me esters, sulfurized	6.5
C14-16-18 Alkyl phenol	7.2

**12.4. Mobility in soil**

**Mobility in soil** After release, adsorbs onto soil.

**Mobility** Insoluble in water.

**12.5. Results of PBT and vPvB assessment**

**PBT and vPvB assessment** The product does not contain any substance(s) classified as PBT or vPvB.

Chemical name	PBT and vPvB assessment
Distillates (petroleum), hydrotreated heavy naphthenic	The substance is not PBT / vPvB
Residual oils (petroleum), solvent-dewaxed	The substance is not PBT / vPvB
Calcium(2+) 12-hydroxyoctadecanoate	The substance is not PBT / vPvB
1,3,4-Thiadiazolidine-2,5-dithione, reaction products with hydrogen peroxide and tert-nonanethiol	The substance is not PBT / vPvB
Distillates (petroleum), hydrotreated light naphthenic	The substance is not PBT / vPvB
Fatty acids, vegetable-oil, Me esters, sulfurized	The substance is not PBT / vPvB
Distillates, petroleum, solvent-dewaxed light paraffinic	The substance is not PBT / vPvB
C14-16-18 Alkyl phenol	The substance is not PBT / vPvB
Calcium dihydroxide	The substance is not PBT / vPvB PBT assessment does not apply

**12.6. Endocrine disrupting properties**

**Endocrine disrupting properties** This product does not contain any known or suspected endocrine disruptors.

**12.7. Other adverse effects**

**Other adverse effects** No information available.

## SECTION 13: Disposal considerations

**13.1. Waste treatment methods**

**Waste from residues/unused products** Disposal should be in accordance with applicable regional, national and local laws and regulations. Dispose of contents/container to industrial incineration plant. Should not be released into the environment. Use personal protection recommended in Section 8.

**Contaminated packaging** Do not reuse empty containers.

**Waste codes / waste designations according to EWC / AVV** 13 08 99\*.

## SECTION 14: Transport information

**IMDG**

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	None

**RID**

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated

14.4	Packing group	Not regulated
14.5	Environmental hazards	Not applicable
14.6	Special precautions for user	None

**ADR**

14.1	UN number or ID number	Not regulated
14.2	UN proper shipping name	Not regulated
14.3	Transport hazard class(es)	Not regulated
14.4	Packing group	Not regulated
14.5	Environmental hazards	Not applicable
14.6	Special precautions for user	None

**IATA**

14.1	UN number or ID number	Not regulated
14.2	UN proper shipping name	Not regulated
14.3	Transport hazard class(es)	Not regulated
14.4	Packing group	Not regulated
14.5	Environmental hazards	Not applicable
14.6	Special precautions for user	None

**ICAO (air)**

14.1	UN number or ID number	Not regulated
14.2	UN proper shipping name	Not regulated
14.3	Transport hazard class(es)	Not regulated
14.4	Packing group	Not regulated
14.5	Environmental hazards	Not applicable
14.6	Special Provisions	None

**14.7 Maritime transport in bulk according to IMO instruments**

No information available

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Water hazard class (WGK)** slightly hazardous to water (WGK 1)**European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

**Authorizations and/or restrictions on use:**

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV). This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorization per REACH Annex XIV
Distillates (petroleum), hydrotreated heavy naphthenic - 64742-52-5	28. 75.	-
Residual oils (petroleum), solvent-dewaxed - 64742-57-0	28. 75.	-
Distillates (petroleum), hydrotreated light naphthenic - 64742-53-6	28. 75.	-
Distillates, petroleum, solvent-dewaxed light paraffinic - 64742-56-9	28. 75.	-

**Persistent Organic Pollutants**

Not applicable.

**Export Notification requirements**

Not applicable.

**Dangerous substance category per Seveso Directive (2012/18/EU)**

Non-controlled.

Chemical name	Lower-tier requirements (tons)	Upper-tier requirements (tons)
Distillates (petroleum), hydrotreated heavy naphthenic - 64742-52-5	-	25000

**Ozone-depleting substances (ODS) regulation (EC) 1005/2009**

Not applicable.

Chemical name	EU - Plant Protection Products (1107/2009/EC)
Calcium dihydroxide - 1305-62-0	Plant protection agent
Chemical name	Biocidal Products Regulation (EU) No 528/2012 (BPR)
Calcium dihydroxide - 1305-62-0	Product-type 2: Disinfectants and algaecides not intended for direct application to humans or animals Product-type 3: Veterinary hygiene

**International Inventories**

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
REACH	Complies
ENCS	Complies
IECSC	Complies
KECI	Complies
PICCS	Complies
AIIC	Complies
NZIoC	Complies
TSCI	Complies

**Legend:**

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**REACH** - Registration, Evaluation, Authorization, and Restriction of Chemicals Regulation (EC 1907/2006)  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AIIC** - Australian Inventory of Industrial Chemicals  
**NZIoC** - New Zealand Inventory of Chemicals  
**TSCI** - Taiwan Chemical Substance Inventory

**15.2. Chemical safety assessment****Chemical Safety Report** No information available**SECTION 16: Other information****Key or legend to abbreviations and acronyms used in the safety data sheet**

ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road  
ATE - Acute Toxicity Estimate  
CAS - Chemical Abstracts Service  
CLP - EU Regulation on the Classification, Labelling and Packaging of Substances and Mixture  
EC - European Commission  
EUH - European Hazard statement  
GHS - Globally Harmonized System of Classification and Labelling  
IATA - International Air Transport Association

IMDG - International Maritime Dangerous Goods  
PBT - Persistent, Bio-accumulative and Toxic  
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals  
RID - European Agreements Concerning the International Carriage of Dangerous Goods by Rail  
STOT - Specific Target Organ Toxicity  
VOC - Volatile Organic Compounds  
vPvB - Very Persistent, Very Bio-accumulative

**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	Sk*	Skin designation

**Classification procedure**

Calculation method  
Bridging principle "Substantially similar mixtures"  
Expert judgment and weight of evidence determination

**Key literature references and sources for data used to compile the SDS**

Acute Exposure Guideline Level(s) (AEGl(s))  
Agency for Toxic Substances and Disease Registry (ATSDR)  
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
Environmental Protection Agency  
European Chemicals Agency  
European Food Safety Authority (EFSA)  
Food Research Journal  
Hazardous Substance Database  
International Uniform Chemical Information Database (IUCLID)  
Japan GHS Classification  
National Library of Medicine's ChemID Plus (NLM CIP)  
National Library of Medicine's PubMed database (NLM PUBMED)  
U.S. National Toxicology Program (NTP)  
New Zealand's Chemical Classification and Information Database (CCID)  
NIOSH (National Institute for Occupational Safety and Health)  
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
Organization for Economic Co-operation and Development Screening Information Data Set  
RTECS (Registry of Toxic Effects of Chemical Substances)  
U.S. Environmental Protection Agency ChemView Database  
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
U.S. Environmental Protection Agency High Production Volume Chemicals  
World Health Organization

**Revision date****Training Advice**

**This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

**Disclaimer**

**The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.**

**End of Safety Data Sheet**