

## MATERIAL SAFETY DATA SHEET

Last changed: 19-04-2012

Internal no: TE0314.033 rev.5

replaces TE0314.033 rev.4

### Greenlube EP-2

#### 1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND OF THE COMPANY

<b>TRADE NAME</b>	Greenlube EP-2
<b>TYPE OF USE</b>	Lubricating grease


#### Manufacturer

Enterprise	Groeneveld Transport Efficiency B.V.
Address	Stephensonweg 10-12
Postal code	P.O.box 777 4200 AT Gorinchem
Country	The Netherlands
Telephone	+31 (0)183 641400
Fax	+31 (0)183 624474
Internet	<a href="http://www.groeneveld-group.com">www.groeneveld-group.com</a>
Contact pers.	Gusje Fonville ( <a href="mailto:g.fonville@groeneveld-group.com">g.fonville@groeneveld-group.com</a> )

#### Emergency Telephones

Emergency phone	Type of assistance
112	Call 112 and provide the information out of chapters 2 and 15

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

No	Ingredient name	EC No.	CAS No.	Conc. (wt%)	Classification	CLP classification
1	Zinc naphthenate	234-409-2	12001-85-3	<2,5%	 Xi, N, R36/38 - R51/53	Skin Irrit. 2 H315 Eye Irrit. 2 H319 Aquatic Chronic 2 H411

Explanation of symbols: T+=highly toxic, T=Toxic, C=Corrosive, Xn=Harmful, Xi=Irritant, E=Explosive, O=Oxidising, F+=Extremely flammable, F=Highly flammable, N=Dangerous for the environment, Cancer=Carcinogenic, Mut: Mutagenic, Rep=Toxic for reproduction, Conc.=Concentration

#### INGREDIENT COMMENTS

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

#### 3. HAZARDS IDENTIFICATION

##### GENERAL

The product does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008 or Directive 1999/45/EC. Safety data sheet available for professional user on request.

##### HEALTH

Repeated exposure may cause skin dryness or cracking.

**CLP CLASSIFICATION:** EUH210

#### 4. FIRST AID MEASURES

##### INHALATION

If smoke is inhaled: Fresh air and rest.

##### SKIN CONTACT

Wash skin with soap and water.

MSDS Greenlube EP-2

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### EYE CONTACT

Rinse with water. Consult a doctor if symptoms should occur.

### INGESTION

Do not induce vomiting. To hospital if strong cough or vomiting occurs, or if larger quantity has been consumed.

## 5. FIRE-FIGHTING MEASURES

### EXTINGUISHING MEDIA

Fire may be extinguished using powder, foam or carbon dioxide (CO<sub>2</sub>).

### IMPROPER EXTINGUISHING MEDIA

Do not use a direct water jet.

### FIRE AND EXPLOSION HAZARDS

The product is not flammable. In the event of a fire, irritating smoke is formed.

### PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS

Avoid breathing fire vapours. Use supplied air respirator if substance is involved in a fire.

## 6. ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS

Risk of slipping due to spillage.

### SAFETY ACTIONS TO PROTECT EXTERNAL ENVIRONMENT

Prevent discharge into the sewage system or the immediate environment.

### METHODS FOR CLEANING UP

Smaller quantities of residue may be collected by an absorbent. Major spillage should be banked with sand, earth or similar material and collected into suitable enclosed containers for further incineration.

## 7. HANDLING AND STORAGE

### HANDLING ADVICE

Wear appropriate clothing to prevent repeated or prolonged skin contact.

### STORAGE

Keep only in the original container at a temperature not exceeding 50°C. Keep container tightly closed and dry.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

### EXPOSURE CONTROL

Oil mist is not formed under normal handling or use.

### RESPIRATORY PROTECTION

Respirator only if aerosol or mist may be formed.

### EYE PROTECTION

No special precautions required.

### HAND PROTECTION

For prolonged or repeated skin contact use suitable protective gloves.

### PROTECTIVE CLOTHING

For prolonged or repeated skin contact use suitable gloves.

### OEL value

Ingredient name	CAS No.	Interval	ppm	Mg/m <sup>3</sup>	Year	Notification
Oil mist	-	8h		5,0	1990	

R=Toxic for reproduction, H=Skin absorption, K=Carcinogenic, A=Sensitising, T=Upper limit, M=Mutagenic

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Consistency: NLGI 2
Colour:	Brown.
Odour:	Mineral oil
Solubility:	Not miscible with water.

#### Physical and chemical parameters

Parameter	Value/unit	Method/reference	Observation
Flash point	>150°C		1)
Density	<1000 kg/m <sup>3</sup>		2)

Observations	Comments
1)	Based on base oils
2)	@25°C

### 10. STABILITY AND REACTIVITY

#### STABILITY

Stable under recommended storage and handling conditions.

### 11. TOXICOLOGICAL INFORMATION

#### INHALATION

Inhalation of oil mist may cause irritation, headaches, nausea and breathing difficulties.

#### SKIN CONTACT

May be irritating on protracted or repeated exposure.

#### EYE CONTACT

May cause irritation/smartering.

#### INGESTION

May cause discomfort.

### 12. ECOLOGICAL INFORMATION

#### ECOTOXICITY

Not regarded as dangerous for the environment. Occasional major emissions or frequently recurring minor emissions may have a harmful or disturbing effect.

#### MOBILITY

The product floats on water. In the event of spillage on the ground, the product will be adsorbed to earth particles.

#### DEGRADABILITY

Not readily biodegradable.

#### OTHER INFORMATION

WGK = 1 according to the VwVwS (Verwaltungsvorschrift wassergefährdende Stoffe), which is the national German regulation on water hazard classification.

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### 13. DISPOSAL CONSIDERATIONS

#### GENERAL REGULATIONS

Used product and remains that can not be re-used are treated as dangerous waste. Dispose of in accordance with Local Authority requirements. Send empty and properly cleaned packing to a certified recycler.

#### CATEGORY OF WASTE

EWC 13 08 99 (oil waste not otherwise specified)

### 14. TRANSPORT INFORMATION

Classified as Dangerous Goods: No

### 15. REGULATORY INFORMATION

EC-Label: No

#### EU-DIRECTIVES

The product does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008 or Directive 1999/45/EC.

#### LEGISLATION

The product follows the legal requirements under Regulation (EC) 1907/2006 (REACH).

#### OTHER INFORMATION

All components are listed in the following Inventories: EINECS/ELINCS (EU), TSCA (USA), DSL/NDL (Canada), AICS (Australia), KECI (Korea), PICCS (Philippines), IECSC (China), NZIoC (New Zealand).

### 16. OTHER INFORMATION

#### INFORMATION SOURCES

Assessed on the basis of available data and knowledge about components and similar products.

#### LIST OF RELEVANT R-PHRASES

R36/38	Irritating to eyes and skin.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### LIST OF RELEVANT H-STATEMENTS

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.

#### REVISION HISTORY

Revision	Rev. date	Responsible	Changes
1	22-10-2003	Peter Biesheuvel	Revision according to updated dangerous preparation directive 1999/45/EC
2	16-01-2009	Anne Jan Visser	Section 2, 3, 4, 8, 9, 11
3	23-06-2009	Anne Jan Visser	Section 1 and 2
4	30-03-2011	Anne Jan Visser	Section 2, 3, 6, 7, 8, 9, 12, 14 and 15
5	19-04-2012	Gusje Fonville	Section 1, 4, 5, 8, 15