

## LinMot LU02 UH1 14-31

Version 2.0

Revision Date 10.06.2015

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### 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Product name : LinMot LU02 UH1 14-31  
Article-No. : 096008

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

Use of the Substance/Mixture : Grease  
Recommended restrictions on use : Restricted to professional users.

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

KLÜBER LUBRICATION MÜNCHEN  
Geisenhausenerstrasse 7  
D-81379 München  
Deutschland  
Tel: +49 (0) 897876-0  
Fax: +49 (0) 897876-333

E-mail address : mcm@klueber.com  
Responsible/issuing person : Material Compliance Management

National contact : Klüber Lubrication AG (Schweiz)  
Thurgauerstrasse 39  
8050 Zürich  
Tél +41 44 308 69 69 (08.00 - 17.00 h)  
Fax +41 44 308 69 44

#### 1.4 Emergency telephone number

Tox-Zentrum (Tel. +41 145, 24h)

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## 2. Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification (REGULATION (EC) No 1272/2008)

Chronic aquatic toxicity, Category 3 H412: Harmful to aquatic life with long lasting effects.

#### Classification (67/548/EEC, 1999/45/EC)

Dangerous for the environment R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## LinMot LU02 UH1 14-31

Version 2.0

Revision Date 10.06.2015

Print Date 23.06.2015

### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

Hazard statements : H412 Harmful to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**  
P273 Avoid release to the environment.

### 2.3 Other hazards

## 3. Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : Synthetic hydrocarbon oil  
ester oil  
aluminium complex soap

#### Hazardous components

Chemical Name	CAS-No. EC-No. Index-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine	110-25-8 203-749-3	Xn; R20 Xi; R38-R41 N; R50	Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Acute 1; H400	>= 0,25 - < 1
2,6-di-tert-butyl-p-cresol	128-37-0 204-881-4 / 01- 2119555270- 46-XXXX	N; R50/53	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 0,25 - < 1
Amines, C11-14- branched alkyl, monohexyl and dihexyl phosphates	80939-62-4 279-632-6	Xi; R36/38 N; R51/53	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Aquatic Chronic 2; H411	>= 0,25 - < 1
2-(2-heptadec-8-enyl-2- imidazolin-1-yl)ethanol	95-38-5 202-414-9	Xn; R22-R48/22 C; R34 N; R50/53	Acute Tox. 4; H302 Skin Corr. 1C; H314 Eye Dam. 1; H318 STOT RE 2; H373 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 0,25 - < 1

For the full text of the R-phrases mentioned in this Section, see Section 16.

## LinMot LU02 UH1 14-31

Version 2.0

Revision Date 10.06.2015

Print Date 23.06.2015

For the full text of the H-Statements mentioned in this Section, see Section 16.

### 4. First aid measures

#### 4.1 Description of first aid measures

- If inhaled : Remove person to fresh air. If signs/symptoms continue, get medical attention.  
Keep patient warm and at rest.  
If unconscious place in recovery position and seek medical advice.  
Keep respiratory tract clear.  
If breathing is irregular or stopped, administer artificial respiration.
- In case of skin contact : Remove contaminated clothing. If irritation develops, get medical attention.  
In case of contact, immediately flush skin with plenty of water.  
Wash clothing before reuse.  
Thoroughly clean shoes before reuse.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes.  
If eye irritation persists, consult a specialist.
- If swallowed : Move the victim to fresh air.  
If unconscious place in recovery position and seek medical advice.  
Keep respiratory tract clear.  
Do not induce vomiting without medical advice.  
Never give anything by mouth to an unconscious person.

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

- Symptoms : No information available.
- Risks : None known.

#### 4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : No information available.

### 5. Firefighting measures

#### 5.1 Extinguishing media

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : High volume water jet

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

- Specific hazards during firefighting : Fire may cause evolution of:  
Carbon oxides  
Metal oxides

## LinMot LU02 UH1 14-31

Version 2.0

Revision Date 10.06.2015

Print Date 23.06.2015

Oxides of phosphorus

### 5.3 Advice for firefighters

- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment. In the case of respirable dust and/or fumes, use self-contained breathing apparatus. Exposure to decomposition products may be a hazard to health.
- Further information : Standard procedure for chemical fires. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

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## 6. Accidental release measures

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

- Personal precautions : Evacuate personnel to safe areas. Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust). Avoid breathing dust. Refer to protective measures listed in sections 7 and 8.

### 6.2 Environmental precautions

- Environmental precautions : Do not allow contact with soil, surface or ground water. If the product contaminates rivers and lakes or drains inform respective authorities.

### 6.3 Methods and materials for containment and cleaning up

- Methods for cleaning up : Clean up promptly by sweeping or vacuum. Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

- For personal protection see section 8.

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## 7. Handling and storage

### 7.1 Precautions for safe handling

- Advice on safe handling : Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Wash hands and face before breaks and immediately after handling the product. Do not ingest. Do not repack. These safety instructions also apply to empty packaging which may still contain product residues. Keep container closed when not in use.

## LinMot LU02 UH1 14-31

Version 2.0

Revision Date 10.06.2015

Print Date 23.06.2015

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in original container.  
 Keep container closed when not in use.  
 Keep in a dry, cool and well-ventilated place.  
 Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
 Store in accordance with the particular national regulations.  
 Keep in properly labelled containers.

### 7.3 Specific end use(s)

: Consult the technical guidelines for the use of this substance/mixture.

## 8. Exposure controls/personal protection

### 8.1 Control parameters

Components	CAS-No.	Value type	Control parameters	Update	Basis
2,6-di-tert-butyl-p-cresol	128-37-0	TWA	10 mg/m <sup>3</sup>	2013-01-01	CH SUVA
Further information:	SSc: Harm to the unborn child is not to be expected when the OEL-value is respected				
2,6-di-tert-butyl-p-cresol	128-37-0	STEL	40 mg/m <sup>3</sup>	2013-01-01	CH SUVA
Further information:	SSc: Harm to the unborn child is not to be expected when the OEL-value is respected				

#### DNEL

(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine

: End Use: Industrial use  
 Exposure routes: Inhalation  
 Potential health effects: Long-term systemic effects  
 Value: 0,2 mg/m<sup>3</sup>

End Use: Industrial use  
 Exposure routes: Inhalation  
 Potential health effects: Acute systemic effects  
 Value: 18 mg/m<sup>3</sup>

End Use: Industrial use  
 Exposure routes: Inhalation  
 Potential health effects: Long-term local effects  
 Value: 0,01 mg/m<sup>3</sup>

End Use: Industrial use  
 Exposure routes: Inhalation  
 Potential health effects: Acute local effects

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - CH



## LinMot LU02 UH1 14-31

Version 2.0

Revision Date 10.06.2015

Print Date 23.06.2015

Value: 18 mg/m<sup>3</sup>

End Use: Industrial use  
Exposure routes: Skin contact  
Potential health effects: Long-term systemic effects  
Value: 10 mg/kg

End Use: Industrial use  
Exposure routes: Skin contact  
Potential health effects: Acute systemic effects  
Value: 100 mg/kg

2,6-di-tert-butyl-p-cresol : End Use: Workers  
Exposure routes: Inhalation  
Potential health effects: Long-term systemic effects  
Value: 3,5 mg/m<sup>3</sup>

End Use: Workers  
Exposure routes: Skin contact  
Potential health effects: Long-term systemic effects  
Value: 0,5 mg/kg

2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol : End Use: Workers  
Exposure routes: Skin contact  
Potential health effects: Long-term exposure, Systemic effects  
Value: 0,6 mg/kg

End Use: Workers  
Exposure routes: Inhalation  
Potential health effects: Long-term exposure, Systemic effects  
Value: 0,46 mg/m<sup>3</sup>

End Use: Workers  
Exposure routes: Skin contact  
Potential health effects: Short-term exposure, Systemic effects  
Value: 2 mg/kg

End Use: Workers  
Exposure routes: Inhalation  
Potential health effects: Short-term exposure, Systemic effects  
Value: 14 mg/m<sup>3</sup>

PNEC  
(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine

: Fresh water  
Value: 0,00043 mg/l

Marine water  
Value: 0,000043 mg/l

Intermittent use/release  
Value: 0,0043 mg/l

Microbiological Activity in Sewage Treatment Systems  
Value: 13 mg/l

**LinMot LU02 UH1 14-31**

Version 2.0

Revision Date 10.06.2015

Print Date 23.06.2015

2,6-di-tert-butyl-p-cresol	:	Fresh water Value: 0,199 µg/l
		Marine water Value: 0,0199 µg/l
		Intermittent use/release Value: 1,99 µg/l
		Microbiological Activity in Sewage Treatment Systems Value: 0,17 mg/l
		Fresh water sediment Value: 0,0996 mg/kg
		Marine sediment Value: 0,00996 mg/kg
		Soil Value: 0,04769 mg/kg
2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol	:	Fresh water Value: 0,00003 mg/l
		Marine water Value: 0,000003 mg/l
		Fresh water sediment Value: 0,376 mg/kg
		Marine sediment Value: 0,0376 mg/kg
		Soil Value: 0,075 mg/kg

**8.2 Exposure controls**

**Engineering measures**

Maintain air concentrations below occupational exposure standards.

**Personal protective equipment**

- |                        |   |  |
|------------------------|---|--|
| Respiratory protection | : | Not required; except in case of aerosol formation.<br>Filter type P  |
| Hand protection        | : | For prolonged or repeated contact use protective gloves.<br>The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.<br>The break through time depends amongst other things on the material, the thickness and the type of glove and therefore has to be measured for each case.<br>In case of contact through splashing: |

**LinMot LU02 UH1 14-31**

Version 2.0

Revision Date 10.06.2015

Print Date 23.06.2015

- : Nitrile rubber  
Protective index Class 1
- Eye protection : Tightly fitting safety goggles  
Safety glasses with side-shields conforming to EN166
- Hygiene measures : Wash face, hands and any exposed skin thoroughly after handling.
- Protective measures : The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.  
Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

**Environmental exposure controls**

- General advice : Do not allow contact with soil, surface or ground water.  
If the product contaminates rivers and lakes or drains inform respective authorities.

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**9. Physical and chemical properties**

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

- Form : paste
- Colour : beige
- Odour : characteristic
- Odour Threshold : No data available
- pH : No data available
- Melting point/range : No data available
- Boiling point/boiling range : No data available
- Flash point : not applicable
- Evaporation rate : No data available
- Flammability (solid, gas) : Combustible Solids
- Lower explosion limit : No data available
- Upper explosion limit : No data available
- Vapour pressure : < 0,001 hPa, 20 °C
- Relative vapour density : No data available
- Density : 0,90 g/cm<sup>3</sup>, 20 °C
- Water solubility : insoluble
- Solubility in other solvents : No data available
- Partition coefficient: n-octanol/water : No data available



## LinMot LU02 UH1 14-31

Version 2.0

Revision Date 10.06.2015

Print Date 23.06.2015

Auto-ignition temperature	: No data available
Ignition temperature	: No data available
Viscosity, dynamic	: No data available
Viscosity, kinematic	: No data available
Oxidizing properties	: No data available

### 9.2 Other information

Sublimation point	: No data available
Bulk density	: No data available

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## 10. Stability and reactivity

### 10.1 Reactivity

No hazards to be specially mentioned.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.

### 10.4 Conditions to avoid

Conditions to avoid : No conditions to be specially mentioned.

### 10.5 Incompatible materials

Materials to avoid : No materials to be especially mentioned.

### 10.6 Hazardous decomposition products

Hazardous decomposition products : No decomposition if stored and applied as directed.

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## 11. Toxicological information

### 11.1 Information on toxicological effects

#### Product

Acute oral toxicity	: This information is not available.
Acute inhalation toxicity	: This information is not available.
Skin corrosion/irritation	: This information is not available.
Serious eye damage/eye irritation	: This information is not available.
Respiratory or skin sensitisation	: This information is not available.
Germ cell mutagenicity	
Genotoxicity in vitro	: No data available

**LinMot LU02 UH1 14-31**

Version 2.0

Revision Date 10.06.2015

Print Date 23.06.2015

Genotoxicity in vivo	: No data available
Carcinogenicity	: No data available
Reproductive toxicity	: No data available
Teratogenicity	: No data available
Repeated dose toxicity	: This information is not available.
Aspiration toxicity	: This information is not available.
Further information	: Information given is based on data on the components and the toxicology of similar products.

**Components:**

**(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine :**

Acute oral toxicity	: LD50: 9.200 mg/kg, rat
Acute inhalation toxicity	: LC50: 1,37 mg/l, 4 h, rat, dust/mist
Skin corrosion/irritation	: rabbit, Result: Irritating to skin., Classification: Irritating to skin., OECD Test Guideline 404
Serious eye damage/eye irritation	: rabbit, Result: Risk of serious damage to eyes., Classification: Risk of serious damage to eyes., OECD Test Guideline 405
Respiratory or skin sensitisation	: Maximisation Test (GPMT), guinea pig, Result: Does not cause skin sensitisation., Classification: Does not cause skin sensitisation., OECD Test Guideline 406
Germ cell mutagenicity	
Assessment	: Tests on bacterial or mammalian cell cultures did not show mutagenic effects.
Aspiration toxicity	: No aspiration toxicity classification

**2,6-di-tert-butyl-p-cresol :**

Acute oral toxicity	: LD50: > 5.000 mg/kg, rat, OECD Test Guideline 401
Acute dermal toxicity	: LD50: > 5.000 mg/kg, rat, OECD Test Guideline 402
Skin corrosion/irritation	: rabbit, Result: No skin irritation, Classification: No skin irritation
Serious eye damage/eye irritation	: rabbit, Result: No eye irritation, Classification: No eye irritation
Respiratory or skin sensitisation	: guinea pig, Result: Does not cause skin sensitisation., Classification: Does not cause skin sensitisation.
Germ cell mutagenicity	
Genotoxicity in vitro	: Ames test, Result: negative, In vitro tests did not show mutagenic effects
Genotoxicity in vivo	: In vivo micronucleus test, Result: negative
Assessment	: In vivo tests did not show mutagenic effects
Reproductive toxicity	: rat, NOAEL: 100 mg/kg

**LinMot LU02 UH1 14-31**

Version 2.0

Revision Date 10.06.2015

Print Date 23.06.2015

Assessment: No toxicity to reproduction

STOT - single exposure : Assessment: The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT - repeated exposure : Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

**Amines, C11-14-branched alkyl, monoheptyl and dihexyl phosphates :**

Acute oral toxicity : LD50: > 2.000 mg/kg, rat, OECD Test Guideline 401

Acute dermal toxicity : LD50: > 2.000 mg/kg, rat, OECD Test Guideline 402

Skin corrosion/irritation : rabbit, Result: Irritating to skin., Classification: Irritating to skin., OECD Test Guideline 404

Serious eye damage/eye irritation : rabbit, Result: Irritating to eyes., Classification: Irritating to eyes., OECD Test Guideline 405

Respiratory or skin sensitisation : guinea pig, Result: Does not cause skin sensitisation., Classification: Does not cause skin sensitisation.

**2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol :**

Acute oral toxicity : LD50: 1.265 mg/kg, rat, OECD Test Guideline 401, GLP: yes

Acute dermal toxicity : LD50: > 2.000 mg/kg, rabbit

Skin corrosion/irritation : rabbit, Result: Corrosive, category 1C - where responses occur after exposures between 1 hour and 4 hours and observations up to 14 days., Classification: Causes burns., OECD Test Guideline 404, GLP: yes

Serious eye damage/eye irritation : rabbit, Result: Corrosive, Classification: Corrosive, OECD Test Guideline 405

Respiratory or skin sensitisation : guinea pig, Result: Does not cause skin sensitisation., Classification: Does not cause skin sensitisation., OECD Test Guideline 406

Repeated dose toxicity : rat, Oral, 100 mg/kg, NOAEL: 20 mg/kg

STOT - repeated exposure : Exposure routes: Ingestion  
Target Organs: Digestive organs, thymus gland  
Assessment: May cause damage to organs through prolonged or repeated exposure.

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## 12. Ecological information

### 12.1 Toxicity

**Product:**

Toxicity to fish : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Toxicity to daphnia and other :

**LinMot LU02 UH1 14-31**

Version 2.0

Revision Date 10.06.2015

Print Date 23.06.2015

aquatic invertebrates : No data available  
Toxicity to algae :  
No data available  
Toxicity to bacteria :  
No data available

**Components:**

**(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine :**

Toxicity to fish : LC50: 3,2 - 4,6 mg/l, 96 h, *Leuciscus idus* (Golden orfe), static test, DIN 38412  
Toxicity to daphnia and other aquatic invertebrates : EC50: 0,53 mg/l, 48 h, *Daphnia magna* (Water flea), static test, Directive 67/548/EEC, Annex V, C.2.  
Toxicity to algae : EC50: 5,1 mg/l, 72 h, *Desmodesmus subspicatus* (green algae), Growth inhibition, Directive 67/548/EEC, Annex V, C.3.  
M-Factor : 1  
Toxicity to bacteria : EC50: 1.300 mg/l, 3 h, Bacteria, Respiration inhibition, OECD 209, GLP: yes

**2,6-di-tert-butyl-p-cresol :**

Toxicity to fish : LC50: > 0,57 mg/l, 96 h, *Danio rerio* (zebra fish), OECD Test Guideline 203  
Toxicity to daphnia and other aquatic invertebrates : EC50: > 0,17 mg/l, 48 h, *Daphnia magna* (Water flea)  
Toxicity to algae : EC50: > 0,42 mg/l, 72 h, *Desmodesmus subspicatus* (green algae)  
M-Factor : 1  
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: > 0,39 mg/l, 21 d, *Daphnia magna* (Water flea)

**Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates :**

Toxicity to fish : LC50: 5,5 mg/l, 96 h, *Oncorhynchus mykiss* (rainbow trout), OECD Test Guideline 203  
Toxicity to daphnia and other aquatic invertebrates : EC50: 1,2 mg/l, 48 h, *Daphnia magna* (Water flea), Immobilization, OECD 202 T1  
Toxicity to algae : EC50: > 10 mg/l, 72 h, *Selenastrum capricornutum* (green algae), Growth inhibition, OECD Test Guideline 201  
Toxicity to bacteria : EC50: > 100 mg/l, 3 h, Bacteria, Respiration inhibition, OECD 209

**Ecotoxicology Assessment**

Acute aquatic toxicity : Toxic to aquatic life.  
Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

**LinMot LU02 UH1 14-31**

Version 2.0

Revision Date 10.06.2015

Print Date 23.06.2015

**2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol :**

- Toxicity to fish : LC50: 0,3 mg/l, 96 h, Danio rerio (zebra fish), static test, OECD Test Guideline 203
- Toxicity to daphnia and other aquatic invertebrates : EC50: 0,136 mg/l, 48 h, Daphnia magna (Water flea), Immobilization, OECD Test Guideline 202, GLP: yes
- Toxicity to algae : ErC50: 0,03 mg/l, 72 h, Desmodesmus subspicatus (green algae), Growth inhibition, OECD Test Guideline 201
- M-Factor : 10
- Toxicity to bacteria : EC50: 26 mg/l, 3 h, activated sludge, Respiration inhibition, OECD 209

**12.2 Persistence and degradability**

**Product:**

- Biodegradability : No data available
- Physico-chemical removability : No data available

**Components:**

**(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine :**

- Biodegradability : aerobic, 85 %, Result: rapidly biodegradable, Exposure time: 28 d, activated sludge, OECD 301 B

**2,6-di-tert-butyl-p-cresol :**

- Biodegradability : aerobic, 4,5 %, Result: not rapidly biodegradable, Exposure time: 28 d, activated sludge, OECD Test Guideline 301C

**Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates :**

- Biodegradability : Result: not rapidly biodegradable

**2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol :**

- Biodegradability : Primary biodegradation, Result: not rapidly biodegradable, OECD 301 B

**12.3 Bioaccumulative potential**

**Product:**

- Bioaccumulation : This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT)., This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

**Components:**

**(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine :**

- Bioaccumulation : Due to the distribution coefficient n-octanol/water, accumulation in organisms is possible.

**2,6-di-tert-butyl-p-cresol :**

## LinMot LU02 UH1 14-31

Version 2.0

Revision Date 10.06.2015

Print Date 23.06.2015

Bioaccumulation : Bioconcentration factor (BCF): 598,4

**2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol :**

Bioaccumulation : Bioconcentration factor (BCF): 371,8,  
Does not accumulate in organisms.

### 12.4 Mobility in soil

**Product:**

Mobility : No data available  
Distribution among environmental compartments : No data available

### 12.5 Results of PBT and vPvB assessment

**Product:**

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**Components:**

**(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine :**

Assessment : This substance is not considered to be persistent, bioaccumulating nor toxic (PBT)., This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

**2,6-di-tert-butyl-p-cresol :**

Assessment : Non-classified PBT substance, Non-classified vPvB substance

### 12.6 Other adverse effects

**Product:**

Additional ecological information : Toxic to aquatic life with long lasting effects.

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## 13. Disposal considerations

### 13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water courses or the soil.  
: Waste codes should be assigned by the user based on the application for which the product was used.

Contaminated packaging : Empty containers can be landfilled, when in accordance with the local regulations.

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## 14. Transport information

### 14.1 UN number

**ADR**

Not dangerous goods

**IMDG**

Not dangerous goods

## LinMot LU02 UH1 14-31

Version 2.0

Revision Date 10.06.2015

Print Date 23.06.2015

### IATA

Not dangerous goods

### 14.2 Proper shipping name

#### ADR

Not dangerous goods

#### IMDG

Not dangerous goods

#### IATA

Not dangerous goods

### 14.3 Transport hazard class

#### ADR

Not dangerous goods

#### IMDG

Not dangerous goods

#### IATA

Not dangerous goods

### 14.4 Packing group

#### ADR

Not dangerous goods

#### IMDG

Not dangerous goods

#### IATA

Not dangerous goods

### 14.5 Environmental hazards

#### ADR

Not dangerous goods

#### IMDG

Not dangerous goods

#### IATA

Not dangerous goods

### 14.6 Special precautions for user

No data available

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not available

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## 15. Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).

Major Accident Hazard Legislation : 96/82/EC Update:  
Dangerous for the environment  
9b  
Quantity 1: 200 t  
Quantity 2: 500 t

## LinMot LU02 UH1 14-31

Version 2.0

Revision Date 10.06.2015

Print Date 23.06.2015

Law on the incentive tax for volatile organic compounds (VOCV) : no VOC duties

### 15.2 Chemical Safety Assessment

This information is not available.

## 16. Other information

### Full text of R-phrases referred to under sections 2 and 3

R20	Harmful by inhalation.
R22	Harmful if swallowed.
R34	Causes burns.
R36/38	Irritating to eyes and skin.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R48/22	Harmful: danger of serious damage to health by prolonged exposure if swallowed.
R50	Very toxic to aquatic organisms.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### Full text of H-Statements referred to under sections 2 and 3.

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H373	May cause damage to organs through prolonged or repeated exposure if swallowed.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

### Further information

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# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - CH



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