

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 13.08.2019

Version: 3

Revision: 13.08.2019

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

· **1.1 Product identifier**

· **Trade name:** METALUBE ENDURANCE EP

· **Article number:** 99860001

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

· **Sector of Use SU22** Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

· **Product category PC24** Lubricants, greases, release products

· **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

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· **Further information obtainable from:**

Customer Service

NL: Tel: + 31 164 250 100 Fax: + 31 164 266 710

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IT: Tel: +39 069 266 91 Fax: +39 06.927 470 61

UK: Tel: +44 151 422 1000 Fax: +44 151 422 1011

· **1.4 Emergency telephone number:**

Customer Service

NL: Tel: + 31 164 250 100 Fax: + 31 164 266 710

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UK: Tel: +44 151 422 1000 Fax: +44 151 422 1011

EU: Tel. 112

**SECTION 2: Hazards identification**

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008** The product is classified and labelled according to the CLP regulation.

· **Hazard pictograms**



GHS07

· **Signal word** Warning

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**· Hazard statements**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

**· Precautionary statements**

P273 Avoid release to the environment.

P280 Wear protective gloves / eye protection / face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**· Additional information:**

Contains Sodium benzothiazol-2-yl sulphide. May produce an allergic reaction.

**· 2.3 Other hazards****· Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.**SECTION 3: Composition/information on ingredients****· 3.2 Chemical characterisation: Mixtures**· **Description:** Mixture of substances listed below with nonhazardous additions.**· Dangerous components:**

|  |  |        |
|--|--|--------|
| CAS: 64742-53-6<br>EINECS: 265-156-6<br>Reg.nr.: 01-2119480375-34-xxxx | Distillates (petroleum), hydrotreated light naphthenic<br> Asp. Tox. 1, H304  | 25-50% |
|  | <i>Alcanolammime terziarie, equilibrio ionico con acidi</i><br> STOT RE 2, H373<br> Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319  | 2.5-5% |
| CAS: 105-59-9<br>EINECS: 203-312-7<br>Reg.nr.: 01-2119488970-24-xxxx   | 2,2'-(methylimino)diethanol<br> Eye Irrit. 2, H319  | 2.5-5% |
| CAS: 122-99-6<br>EINECS: 204-589-7<br>Reg.nr.: 01-2119488943-21-xxxx   | 2-Phenoxyethanol<br> Acute Tox. 4, H302; Eye Irrit. 2, H319   | 2.5-5% |
| CAS: 68920-66-1<br>NLP: 500-236-9<br>Reg.nr.: 01-2119489407-26-0000    | Alcohols, C16-18 and C18 unsatd., ethoxylated<br> Aquatic Chronic 2, H411<br> Skin Irrit. 2, H315  | 2.5-5% |
|  | <i>Alcanolammime terziarie, equilibrio ionico con acidi</i><br> Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319<br><i>Aquatic Chronic 3, H412</i>   | 2.5-5% |
|  | <i>Acido, equilibrio ionico con basi organiche</i><br> Eye Irrit. 2, H319   | 2.5-5% |
| CAS: 10043-35-3<br>EINECS: 233-139-2<br>Reg.nr.: 01-2119486683-XXXX    | boric acid<br> Repr. 1B, H360FD   | 2.5-5% |
| CAS: 2492-26-4<br>EINECS: 219-660-8                                    | Sodium benzothiazol-2-yl sulphide<br> Met. Corr. I, H290; Skin Corr. 1C, H314<br> Aquatic Acute 1, H400; Aquatic Chronic 1, H410<br> Skin Sens. 1, H317 | 0.1-1% |
| CAS: 3811-73-2<br>EINECS: 223-296-5<br>Reg.nr.: 01-21194933385-28-XXXX | pyridine-2-thiol 1-oxide, sodium salt<br> Aquatic Acute 1, H400; Aquatic Chronic 1, H410<br> Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319   | 0.1-1% |
| · SVHC   |  |        |
| 10043-35-3 boric acid  |  |        |

· **Ingredients according to Detergents Regulation 648/2004/EC** For the wording of the listed hazard phrases refer to section 16.

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#### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:**  
If skin irritation continues, consult a doctor.  
Immediately wash with water and soap and rinse thoroughly.  
Immediately rinse with water.
- **After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

#### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

#### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Not required.
- **6.2 Environmental precautions:**  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, universal binders).  
Dispose contaminated material as waste according to item 13.
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

#### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
No special measures required.  
No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **7.3 Specific end use(s)** No further relevant information available.

#### SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **DNELs**

**122-99-6 2-Phenoxyethanol**

|      |                     |                                  |
|------|---------------------|----------------------------------|
| Oral | DNEL acute-systemic | 17.43 mg/kg human/day (consumer) |
|------|---------------------|----------------------------------|

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|            |   |                                   |
|------------|---|-----------------------------------|
| Dermal     | DNEL Long term-systemic                   | 17.43 mg/kg human/day (consumer)  |
|            | DNEL Long term-systemic                   | 20.83 mg/kg human/day (consumer)  |
| Inhalative | DNEL Long term-systemic mg/m <sup>3</sup> | 34.72 mg/kg human/day (worker)    |
|            | DNEL Long term local mg/m <sup>3</sup>    | 2.41 mg/m <sup>3</sup> (consumer) |
|            |   | 8.07 mg/m <sup>3</sup> (worker)   |
|            |   | 2.41 mg/m <sup>3</sup> (consumer) |
|            |   | 8.07 mg/m <sup>3</sup> (worker)   |

## · PNECs

**122-99-6 2-Phenoxyethanol**

|                                  |                 |
|----------------------------------|-----------------|
| PNEC Freshwater mg/L             | 0.943 mg/L (-)  |
| PNEC Marinewater mg/L            | 0.094 mg/L (-)  |
| PNEC Freshwater sediment         | 7.23 mg/Kg (-)  |
| PNEC Marine water sediment       | 0.723 mg/Kg (-) |
| PNEC Intermittent release        | 3.44 (-)        |
| PNEC Soil                        | 1.26 mg/Kg (-)  |
| PNEC Sewage treatment Plant mg/L | 24.8 mg/L (-)   |

· Additional information: The lists valid during the making were used as basis.

## · 8.2 Exposure controls

## · Personal protective equipment:

## · General protective and hygienic measures:

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

## · Respiratory protection: Not required.

## · Protection of hands:



Protective gloves

## · Material of gloves

Natural rubber, NR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

## · Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

## · Not suitable are gloves made of the following materials: Strong material gloves

## · Eye protection:



Tightly sealed goggles

**SECTION 9: Physical and chemical properties**

## · 9.1 Information on basic physical and chemical properties

## · General Information

## · Appearance:

Form:

Liquid

Colour:

Light yellow

## · Odour:

Characteristic

## · Odour threshold:

Not determined.

## · pH-value (50 g/l) at 20 °C:

9.3

## · Change in condition

Melting point/freezing point:

Undetermined.

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|   |  |
|---|--|
| <b>Initial boiling point and boiling range:</b> Undetermined. |  |
| · <b>Flash point:</b>   | Not applicable.  |
| · <b>Flammability (solid, gas):</b>                           | Not applicable.  |
| · <b>Decomposition temperature:</b>                           | Not determined.  |
| · <b>Auto-ignition temperature:</b>                           | Product is not selfigniting.                                     |
| · <b>Explosive properties:</b>                                | Product does not present an explosion hazard.<br>Not determined. |
| · <b>Explosion limits:</b>                                    |  |
| <b>Lower:</b>   | Not determined.  |
| <b>Upper:</b>   | Not determined.  |
| · <b>Vapour pressure:</b>                                     | Not determined.  |
| · <b>Density at 20 °C:</b>                                    | 0.987 g/cm <sup>3</sup>  |
| · <b>Relative density</b>                                     | Not determined.  |
| · <b>Vapour density</b>                                       | Not determined.  |
| · <b>Evaporation rate</b>                                     | Not determined.  |
| · <b>Solubility in / Miscibility with water:</b>              | Fully miscible.  |
| · <b>Partition coefficient: n-octanol/water:</b>              | Not determined.  |
| · <b>Viscosity:</b>   |  |
| <b>Dynamic:</b>   | Not determined.  |
| <b>Kinematic at 40 °C:</b>                                    | 22 mm <sup>2</sup> /s  |
| · <b>Solvent content:</b>                                     |  |
| <b>Organic solvents:</b>                                      | 2.0 %  |
| <b>Swiss VOC:</b>   | 0.00 %   |
| · <b>Solids content:</b>                                      | 0.3 %  |
| · <b>9.2 Other information</b>                                | No further relevant information available.                       |

## SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

## SECTION 11: Toxicological information

### · 11.1 Information on toxicological effects

· **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**

#### 122-99-6 2-Phenoxyethanol

|        |             |                              |
|--------|-------------|------------------------------|
| Oral   | LD50        | 1,260 mg/kg (Rat)            |
| Dermal | LD50        | >2,000 mg/kg (Rabbit)        |
|        | LC50 / 96 h | >100 mg/ltr (Leuciscus idus) |

#### 10043-35-3 boric acid

|      |      |                   |
|------|------|-------------------|
| Oral | LD50 | 2,660 mg/kg (Rat) |
|------|------|-------------------|

· **Primary irritant effect:**

· **Skin corrosion/irritation**

Causes skin irritation.

· **Serious eye damage/irritation**

Causes serious eye irritation.

· **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

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- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **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.

## SECTION 12: Ecological information

### · 12.1 Toxicity

#### · Aquatic toxicity:

##### 122-99-6 2-Phenoxyethanol

OECD test 301 A 90-100 (biodegradation in % after 28 days)

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.

#### · Ecotoxicological effects:

· **Remark:** Harmful to fish

#### · Additional ecological information:

#### · General notes:

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into the ground.

Harmful to aquatic organisms

#### · 12.5 Results of PBT and vPvB assessment

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

#### · 12.6 Other adverse effects

No further relevant information available.

## SECTION 13: Disposal considerations

### · 13.1 Waste treatment methods

· **Recommendation:** Disposal must be made according to official regulations

### · Uncleaned packaging:

· **Recommendation:** Disposal in accordance with administrative provisions

## SECTION 14: Transport information

### · 14.1 UN-Number

· **ADR, ADN, IMDG, IATA**

Void

### · 14.2 UN proper shipping name

· **ADR, ADN, IMDG, IATA**

Void

### · 14.3 Transport hazard class(es)

· **ADR, ADN, IMDG, IATA**

· **Class**

Void

### · 14.4 Packing group

· **ADR, IMDG, IATA**

Void

### · 14.5 Environmental hazards:

Not applicable.

### · 14.6 Special precautions for user

Not applicable.

### · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

### · UN "Model Regulation":

Void

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## SECTION 15: Regulatory information

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

Reg. (EC) n. 1272/2008 - CLP;  
 Reg. (EC) n. 1907/2006 – Reach;  
 Reg. (EC) n. 2015/830 annex II of REACH;  
 Reg. (EC) n. 648/04 (Detergents);  
 Reg. (EC) n. 528/12 (Biocides BPR);  
 Reg. (EC) n. 1223/2009 (Cosmetics);  
 Dir. 06/08 ADR – RID - IMDG - IATA;  
 Dir. 47/08 (Aerosols); Dir. 12/18 (Seveso III);  
 Dir. 2008/98/CE and Reg. (EC) n.1357/2014 (Waste management)

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.  
 · **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

· **National regulations:**

· **Technical instructions (air):**

| Class | Share in % |
|-------|------------|
| NK    | 2.5-5      |

· **Waterhazard class:** Water danger class 3 (Self-assessment): extremely hazardous for water.

· **Other regulations, limitations and prohibitive regulations**

· **Substances of very high concern (SVHC) according to REACH, Article 57**

|            |            |
|------------|------------|
| 10043-35-3 | boric acid |
|------------|------------|

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

## SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

H290 May be corrosive to metals.  
 H302 Harmful if swallowed.  
 H304 May be fatal if swallowed and enters airways.  
 H312 Harmful in contact with skin.  
 H314 Causes severe skin burns and eye damage.  
 H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H319 Causes serious eye irritation.  
 H332 Harmful if inhaled.  
 H360FD May damage fertility. May damage the unborn child.  
 H373 May cause damage to organs through prolonged or repeated exposure.  
 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.

· **Department issuing SDS:**

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NL: Tel: + 31 164 250 100 Fax: + 31 164 266 710  
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· **Contact:**

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· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
 IMDG: International Maritime Code for Dangerous Goods

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*IATA: International Air Transport Association*  
*GHS: Globally Harmonised System of Classification and Labelling of Chemicals*  
*EINECS: European Inventory of Existing Commercial Chemical Substances*  
*ELINCS: European List of Notified Chemical Substances*  
*CAS: Chemical Abstracts Service (division of the American Chemical Society)*  
*DNEL: Derived No-Effect Level (REACH)*  
*PNEC: Predicted No-Effect Concentration (REACH)*  
*LC50: Lethal concentration, 50 percent*  
*LD50: Lethal dose, 50 percent*  
*PBT: Persistent, Bioaccumulative and Toxic*  
*SVHC: Substances of Very High Concern*  
*vPvB: very Persistent and very Bioaccumulative*  
*Met. Corr. 1: Corrosive to metals – Category 1*  
*Acute Tox. 4: Acute toxicity – Category 4*  
*Skin Corr. 1C: Skin corrosion/irritation – Category 1C*  
*Skin Irrit. 2: Skin corrosion/irritation – Category 2*  
*Eye Irrit. 2: Serious eye damage/eye irritation – Category 2*  
*Skin Sens. 1: Skin sensitisation – Category 1*  
*Repr. 1B: Reproductive toxicity – Category 1B*  
*STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2*  
*Asp. Tox. 1: Aspiration hazard – Category 1*  
*Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1*  
*Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1*  
*Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2*  
*Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3*  
*· \* Data compared to the previous version altered.*

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**\* Annex: Exposure scenario**

**· Short title of the exposure scenario**

For the finished product.

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**· Sector of Use SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)**

**· Product category PC24 Lubricants, greases, release products**

**· Description of the activities / processes covered in the Exposure Scenario** See section 1 of the annex to the Safety Data Sheet.

**· Conditions of use**

**· Duration and frequency** 5 workdays/week.

**· Physical parameters**

**· Physical state** Fluid

**· Concentration of the substance in the mixture** The substance is main component.

**· Used amount per time or activity** According to directions for use.

**· Other operational conditions**

**· Other operational conditions affecting environmental exposure** No special measures required.

**· Other operational conditions affecting worker exposure**

Avoid contact with eyes.

Avoid contact with the skin.

**· Other operational conditions affecting consumer exposure** Not required.

**· Other operational conditions affecting consumer exposure during the use of the product** Not applicable.

**· Risk management measures**

**· Worker protection**

**· Organisational protective measures** No special measures required.

**· Technical protective measures** No special measures required.

**· Personal protective measures**

No special measures required.

Avoid contact with the skin.

Avoid contact with the eyes.

Tightly sealed goggles

Protective gloves

**· Measures for consumer protection**

No special measures required.

Ensure adequate labelling.

**· Environmental protection measures**

**· Air** No special measures required.

**· Water** No special measures required.

**· Disposal measures** Ensure that waste is collected and contained.

**· Disposal procedures**

Dispose of product residues with household waste.

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

**· Waste type** Partially emptied and uncleaned packaging

**· Exposure estimation**

**· Consumer** Not relevant for this Exposure Scenario.

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