

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

### 1.1 Product identifier

**Gear oil SAE 85W-140**  
**Article number: 199305, 199306, 199307**

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

#### 1.2.1 Relevant uses

Gearbox oil

#### 1.2.2 Uses advised against

None known.

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

**Company** Ferdinand Bilstein GmbH + Co. KG  
Wilhelmstr. 47  
58256 Ennepetal / GERMANY  
Phone +49 2333 911-0  
Fax +49 2333 911-444  
Homepage [www.febi.com](http://www.febi.com)  
E-mail [info@febi.com](mailto:info@febi.com)

#### Address enquiries to

**Technical information** [info@febi.com](mailto:info@febi.com)

**Safety Data Sheet** [info@febi.com](mailto:info@febi.com)

### 1.4 Emergency telephone number

**Advisory body** Call NHS 111 or a doctor

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture [REGULATION (GB) CLP]

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

### 2.2 Label elements

The product is required to be labelled in accordance with regulation CLP.

#### Hazard pictograms

#### Hazard statements

H412 Harmful to aquatic life with long lasting effects.

#### Precautionary statements

P273 Avoid release to the environment.

P501 Dispose of contents/container in accordance with local/national regulation.

#### Special labelling

Contains: Amines, C10-14-tert-alkyl. EUH208 May produce an allergic reaction.

### 2.3 Other hazards

#### Physico-chemical hazards

No particular hazards known.

#### Human health dangers

Frequent persistent contact with the skin can cause skin irritation.

#### Environmental hazards

Does not contain any PBT or vPvB substances.

Contains no ingredients with endocrine-disrupting properties.

#### Other hazards

none

## SECTION 3: Composition / Information on ingredients

### 3.1 Substances

not applicable

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### 3.2 Mixtures

The product is a mixture.

| Range [%]    | Substance                                                                                                                                                                                                                                                                                                                                                                           |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0,01 - <0,25 | C16-18-(even numbered, saturated and unsaturated)-alkylamines<br>CAS: 1213789-63-9, EINECS/ELINCS: 627-034-4, Reg-No.: 01-2119473797-19-XXXX<br>GHS/CLP: Acute Tox. 4: H302 - Asp. Tox. 1: H304 - Skin Corr. 1B: H314 - Eye Dam. 1: H318 - STOT SE 3: H335 - STOT RE 2: H373 - Aquatic Acute 1: H400 - Aquatic Chronic 1: H410,<br>M-Factor (acute): 10, M-Factor (chronic): 10     |
| 0,1 - <0,25  | Amines, C10-14-tert-alkyl<br>CAS: 68955-53-3, EINECS/ELINCS: 701-175-2, Reg-No.: 01-2119456798-18-XXXX<br>GHS/CLP: Acute Tox. 3: H311 - Acute Tox. 2: H330 - Skin Corr. 1B: H314 - Eye Dam. 1: H318 - Aquatic Acute 1: H400 - Aquatic Chronic 1: H410 - Acute Tox. 4: H302 - Skin Sens. 1A: H317,<br>M-Factor (acute): 1, M-Factor (chronic): 1<br>SCL [%]: ≥5: Skin Sens. 1A: H317 |

#### Comment on component parts

For full text of H-statements and R-phrases: see SECTION 16.  
Contains less than 3% w/w DMSO-extract (only for mineral oils)

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

Change soaked clothing.

#### Inhalation

Ensure supply of fresh air.  
In the event of symptoms seek medical treatment.

#### Skin contact

In case of contact with skin wash off immediately with soap and water.  
Consult a doctor if skin irritation persists.

#### Eye contact

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.

#### Ingestion

Do not induce vomiting.  
Rinse out mouth and give plenty of water to drink.  
Get medical advice.

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

Irritant effects

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

If swallowed or in the event of vomiting, risk of product entering the lungs.  
Treat symptomatically.  
Forward this sheet to your doctor.

## SECTION 5: Fire-fighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Foam, dry powder, water spray jet, carbon dioxide

#### Extinguishing media that must not be used

Full water jet

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

Not combusted hydrocarbons.  
Risk of formation of toxic pyrolysis products.  
Carbon monoxide (CO)

### 5.3 Advice for firefighters

Use self-contained breathing apparatus.  
Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

## SECTION 6: Accidental release measures

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

High risk of slipping due to leakage/spillage of product.  
Forms slippery surfaces with water.

### 6.2 Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers).  
Do not discharge into the drains/surface waters/groundwater.

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

Take up residues with absorbent material (e.g. sand).  
Dispose of absorbed material in accordance within the regulations.

### 6.4 Reference to other sections

See SECTION 8+13

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

No special measures necessary if used correctly.  
The product is combustible.  
Do not eat, drink or smoke when using this product.  
Use barrier skin cream.  
Wash hands before breaks and after work.  
Contaminated work clothing should not be allowed out of the workplace.  
Take off contaminated clothing and wash before reuse.

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

Keep only in original container.  
Prevent penetration into the ground.  
Do not store together with food and animal food/diet.  
Keep container tightly closed.  
Protect from heat/overheating.

### 7.3 Specific end use(s)

See product use, SECTION 1.2

## SECTION 8: Exposure controls / personal protection

### 8.1 Control parameters

#### Ingredients with occupational exposure limits to be monitored (UK)

not relevant

#### Ingredients with occupational exposure limits to be monitored EU (2004/37/EG)

not relevant

#### DNEL

|                                                                                       |
|---------------------------------------------------------------------------------------|
| Substance                                                                             |
| Amines, C10-14-tert-alkyl, CAS: 68955-53-3                                            |
| Industrial, inhalative, Long-term - systemic effects, 12,5 mg/m <sup>3</sup>          |
| Industrial, inhalative, Long-term - local effects, 12,1 mg/m <sup>3</sup>             |
| general population, inhalative, Long-term - systemic effects, 2,5 mg/m <sup>3</sup>   |
| general population, inhalative, Long-term - local effects, 1,2 mg/m <sup>3</sup>      |
| general population, oral, Long-term - systemic effects, 0,35 mg/kg bw/day             |
| C16-18-(even numbered, saturated and unsaturated)-alkylamines, CAS: 1213789-63-9      |
| Industrial, inhalative, Long-term - systemic effects, 0,38 mg/m <sup>3</sup>          |
| Industrial, inhalative, Long-term - local effects, 1 mg/m <sup>3</sup>                |
| Industrial, inhalative, Acute - local effects, 1 mg/m <sup>3</sup>                    |
| general population, inhalative, Long-term - systemic effects, 0,035 mg/m <sup>3</sup> |
| general population, oral, Long-term - systemic effects, 40 µg/kg bw/d                 |

#### PNEC

|                                                                                  |
|----------------------------------------------------------------------------------|
| Substance                                                                        |
| Amines, C10-14-tert-alkyl, CAS: 68955-53-3                                       |
| freshwater, 0,001 mg/l                                                           |
| seawater, 0 mg/l                                                                 |
| sewage treatment plants (STP), 0,635 mg/l                                        |
| sediment (freshwater), 2,14 mg/kg sediment dw                                    |
| sediment (seawater), 0,214 mg/kg sediment dw                                     |
| soil, 0,428 mg/kg soil dw                                                        |
| oral (food), 4,71 mg/kg food                                                     |
| C16-18-(even numbered, saturated and unsaturated)-alkylamines, CAS: 1213789-63-9 |
| freshwater, 0,26 µg/L                                                            |
| seawater, 0,026 µg/L                                                             |
| sewage treatment plants (STP), 550 µg/L                                          |
| sediment (freshwater), 3,76 mg/kg dw                                             |
| sediment (freshwater), 0,376 mg/kg dw                                            |
| soil, 10 mg/kg dw                                                                |

## 8.2 Exposure controls

|                                                                    |                                                                                                                                                                                                                                                                                                      |
|--------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Additional advice on system design</b>                          | Ensure adequate ventilation on workstation.<br>Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances.<br>General exposure limit for oil mist should be noted. |
| <b>Eye protection</b>                                              | If there is a risk of splashing:<br>safety glasses (EN 166:2001)                                                                                                                                                                                                                                     |
| <b>Hand protection</b>                                             | The details concerned are recommendations. Please contact the glove supplier for further information.<br>> 0,4 mm; Nitrile rubber, >480 min (EN 374-1/-2/-3).<br>> 0,4 mm; Neoprene, >480 min (EN 374-1/-2/-3).                                                                                      |
| <b>Skin protection</b>                                             | light protective clothing                                                                                                                                                                                                                                                                            |
| <b>Other</b>                                                       | Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier.<br>Avoid contact with eyes and skin.                         |
| <b>Respiratory protection</b>                                      | not applicable                                                                                                                                                                                                                                                                                       |
| <b>Thermal hazards</b>                                             | No information available.                                                                                                                                                                                                                                                                            |
| <b>Delimitation and monitoring of the environmental exposition</b> | Comply with applicable environmental regulations limiting discharge to air, water and soil.                                                                                                                                                                                                          |

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|                                                                      |                           |
|----------------------------------------------------------------------|---------------------------|
| <b>Physical state</b>                                                | liquid                    |
| <b>Form</b>                                                          | liquid                    |
| <b>Color</b>                                                         | brown                     |
| <b>Odor</b>                                                          | characteristic            |
| <b>Odour threshold</b>                                               | not relevant              |
| <b>pH-value</b>                                                      | not applicable            |
| <b>pH-value [1%]</b>                                                 | not applicable            |
| <b>Boiling point or initial boiling point and boiling range [°C]</b> | No information available. |
| <b>Flash point [°C]</b>                                              | 230                       |
| <b>Flammability</b>                                                  | yes                       |
| <b>Lower explosion limit</b>                                         | No information available. |
| <b>Upper explosion limit</b>                                         | No information available. |
| <b>Oxidising properties</b>                                          | no                        |
| <b>Vapour pressure/gas pressure [kPa]</b>                            | No information available. |
| <b>Density [g/cm³]</b>                                               | 0,90 (15 °C / 59,0 °F)    |
| <b>Relative density</b>                                              | not determined            |
| <b>Bulk density [kg/m³]</b>                                          | not applicable            |
| <b>Solubility in water</b>                                           | immiscible                |
| <b>Solubility other solvents</b>                                     | No information available. |
| <b>Partition coefficient n-octanol/water (log value)</b>             | No information available. |
| <b>Kinematic viscosity</b>                                           | 427 mm²/s (40° C)         |
| <b>Relative vapour density</b>                                       | No information available. |
| <b>Melting point [°C]</b>                                            | No information available. |
| <b>Auto-ignition temperature [°C]</b>                                | No information available. |
| <b>Decomposition temperature [°C]</b>                                | No information available. |
| <b>Particle characteristics</b>                                      | not applicable            |

### 9.2 Other information

none

## **SECTION 10: Stability and reactivity**

### **10.1 Reactivity**

No dangerous reactions known if used as directed.

### **10.2 Chemical stability**

Stable under normal ambient conditions (ambient temperature).

### **10.3 Possibility of hazardous reactions**

No dangerous reactions known if used as directed.

### **10.4 Conditions to avoid**

Strong heating.

### **10.5 Incompatible materials**

Oxidizing agent  
Strong basic compounds  
Strong acids.

### **10.6 Hazardous decomposition products**

No hazardous decomposition products known.

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute oral toxicity

|                                                                                    |
|------------------------------------------------------------------------------------|
| Product                                                                            |
| Based on the available information, the classification criteria are not fulfilled. |
| Substance                                                                          |
| Amines, C10-14-tert-alkyl, CAS: 68955-53-3                                         |
| LD50, oral, Rat, 500 - 1177 mg/kg                                                  |
| C16-18-(even numbered, saturated and unsaturated)-alkylamines, CAS: 1213789-63-9   |
| LD50, oral, Rat, 1200 - 2000 mg/kg bw                                              |

#### Acute dermal toxicity

|                                                                                  |
|----------------------------------------------------------------------------------|
| Product                                                                          |
| ATE-mix, dermal, 202.669 mg/kg bw                                                |
| Substance                                                                        |
| Amines, C10-14-tert-alkyl, CAS: 68955-53-3                                       |
| LD50, dermal, Rat, 251 mg/kg bw (OECD 402)                                       |
| C16-18-(even numbered, saturated and unsaturated)-alkylamines, CAS: 1213789-63-9 |
| LD50, dermal, Rat, > 2000 mg/kg bw                                               |

#### Acute inhalational toxicity

|                                            |
|--------------------------------------------|
| Substance                                  |
| Amines, C10-14-tert-alkyl, CAS: 68955-53-3 |
| LC50, inhalative, Rat, 157 - 231 ppm 4h    |

#### Serious eye damage/irritation

Based on the available information, the classification criteria are not fulfilled.

|                                                                                  |
|----------------------------------------------------------------------------------|
| Substance                                                                        |
| Amines, C10-14-tert-alkyl, CAS: 68955-53-3                                       |
| Eye, Rabbit, In vivo study, Causes serious eye damage.                           |
| C16-18-(even numbered, saturated and unsaturated)-alkylamines, CAS: 1213789-63-9 |
| Eye, Causes serious eye damage.                                                  |

#### Skin corrosion/irritation

Based on the available information, the classification criteria are not fulfilled.

|                                                                                  |
|----------------------------------------------------------------------------------|
| Substance                                                                        |
| Amines, C10-14-tert-alkyl, CAS: 68955-53-3                                       |
| dermal, Rabbit, In vivo study, corrosive                                         |
| C16-18-(even numbered, saturated and unsaturated)-alkylamines, CAS: 1213789-63-9 |
| dermal, corrosive                                                                |

#### Respiratory or skin sensitisation

Toxicological data of complete product are not available.  
May produce an allergic reaction.  
Calculation method

|                                                                                                  |
|--------------------------------------------------------------------------------------------------|
| Substance                                                                                        |
| Amines, C10-14-tert-alkyl, CAS: 68955-53-3                                                       |
| dermal, Guinea pig, OECD 406, sensitising, (SCL $\geq$ 5%: Skin Sens. 1 gemäß Herstellerangabe), |
| C16-18-(even numbered, saturated and unsaturated)-alkylamines, CAS: 1213789-63-9                 |
| dermal, non-sensitizing                                                                          |
| inhalative, non-sensitizing                                                                      |

#### Specific target organ toxicity — single exposure

Based on the available information, the classification criteria are not fulfilled.

|           |
|-----------|
| Substance |
|-----------|

|                                                                                  |
|----------------------------------------------------------------------------------|
| C16-18-(even numbered, saturated and unsaturated)-alkylamines, CAS: 1213789-63-9 |
| inhalative, irritant                                                             |

**Specific target organ toxicity — repeated exposure** Based on the available information, the classification criteria are not fulfilled.

|                                                                                     |
|-------------------------------------------------------------------------------------|
| Substance                                                                           |
| Amines, C10-14-tert-alkyl, CAS: 68955-53-3                                          |
| NOAEL, dermal, Rat, 20 mg/kg, OECD 410, no adverse effect observed                  |
| NOAEC, inhalative, Rat, 19 mg/m <sup>3</sup> , OECD 412, no adverse effect observed |

**Mutagenicity** Based on the available information, the classification criteria are not fulfilled.

|                                            |
|--------------------------------------------|
| Substance                                  |
| Amines, C10-14-tert-alkyl, CAS: 68955-53-3 |
| in vitro, negativ                          |
| in vivo, negativ                           |

**Reproduction toxicity** Based on the available information, the classification criteria are not fulfilled.

**Carcinogenicity** Based on the available information, the classification criteria are not fulfilled.

**Aspiration hazard** Based on the available information, the classification criteria are not fulfilled.

**General remarks**

Toxicological data of complete product are not available.  
The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists.

## 11.2 Information on other hazards

**11.2.1 Endocrine disrupting properties** Does not contain a relevant substance that meets the classification criteria.

**11.2.2 Other information** No information available.

## SECTION 12: Ecological information

### 12.1 Toxicity

|                                                                                  |
|----------------------------------------------------------------------------------|
| Substance                                                                        |
| Amines, C10-14-tert-alkyl, CAS: 68955-53-3                                       |
| EC50, (48h), Daphnia magna, 0,24 mg/l - 6 mg/l (Lit.)                            |
| EC50, (72h), Selenastrum capricornutum, 0,44 mg/l (OECD 201)                     |
| NOEC, (96h), Oncorhynchus mykiss, 0,56 mg/l (OECD 203)                           |
| C16-18-(even numbered, saturated and unsaturated)-alkylamines, CAS: 1213789-63-9 |
| LC50, (96h), Fish, 60 - 4210 µg/L                                                |
| EC50, (48h), Invertebrates, 320 - 980 µg/L                                       |
| EC50, (72h), Algae, 80 - 460 µg/L                                                |
| NOEC, (21d), Invertebrates, 13 µg/L                                              |

### 12.2 Persistence and degradability

**Behaviour in environment compartments** not determined

**Behaviour in sewage plant** not determined

**Biological degradability** not determined

|                                                                                  |
|----------------------------------------------------------------------------------|
| Substance                                                                        |
| C16-18-(even numbered, saturated and unsaturated)-alkylamines, CAS: 1213789-63-9 |
| (28d), 66 %, OECD 301 B                                                          |

**12.3 Bioaccumulative potential**

No information available.

**12.4 Mobility in soil**

No information available.

**12.5 Results of PBT and vPvB assessment**

Based on all available information not to be classified as PBT or vPvB respectively.

**12.6 Endocrine disrupting properties**

Does not contain a relevant substance that meets the classification criteria.

**12.7 Other adverse effects**

Do not discharge product unmonitored into the environment.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

**Product**

In according to RoHS!  
Disposal in an incineration plant in accordance with the regulations of the local authorities.  
For recycling, consult manufacturer.

**Waste no. (recommended)**

130205\* mineral-based non-chlorinated engine, gear and lubricating oils

**Contaminated packaging**

Uncontaminated packaging may be taken for recycling.  
Packaging that cannot be cleaned should be disposed of as for product.

**Waste no. (recommended)**

150102  
150104  
150110\* packaging containing residues of or contaminated by hazardous substances

**SECTION 14: Transport information**

**14.1 UN number or ID number**

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

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**14.2 UN proper shipping name**

|                                          |                                     |
|------------------------------------------|-------------------------------------|
| Transport by land according to ADR/RID   | NO DANGEROUS GOODS                  |
| Inland navigation (ADN)                  | NO DANGEROUS GOODS                  |
| Marine transport in accordance with IMDG | NOT CLASSIFIED AS "DANGEROUS GOODS" |
| Air transport in accordance with IATA    | NOT CLASSIFIED AS "DANGEROUS GOODS" |

**14.3 Transport hazard class(es)**

|                                          |                |
|------------------------------------------|----------------|
| Transport by land according to ADR/RID   | not applicable |
| Inland navigation (ADN)                  | not applicable |
| Marine transport in accordance with IMDG | not applicable |
| Air transport in accordance with IATA    | not applicable |

**14.4 Packing group**

|                                          |                |
|------------------------------------------|----------------|
| Transport by land according to ADR/RID   | not applicable |
| Inland navigation (ADN)                  | not applicable |
| Marine transport in accordance with IMDG | not applicable |
| Air transport in accordance with IATA    | not applicable |

**14.5 Environmental hazards**

|                                          |    |
|------------------------------------------|----|
| Transport by land according to ADR/RID   | no |
| Inland navigation (ADN)                  | no |
| Marine transport in accordance with IMDG | no |
| Air transport in accordance with IATA    | no |

**14.6 Special precautions for user**

Relevant information under SECTION 6 to 8.

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

**SECTION 15: Regulatory information**

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

|                                              |                                                                                                                                                                                                                                                                  |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>EEC-REGULATIONS</b>                       | 2008/98/EG (2000/532/EC ); 2010/75/EU; 2004/42/EG; (EG) 648/2004; (EC) 1907/2006 (REACH); (EU) 1272/2008; 75/324/EWG ((EC) 2016/2037); (EU) 2020/878; (EU) 2016/131; (EU) 2024/573; (EU) 2019/1148; (EU) 2019/1021, (EU) 2023/707                                |
| - Comment on component parts                 | Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.                                                                                                                                                                          |
| - Annex XIV (REACH)                          | According to Annex XIV of Regulation (EC) 1907/2006 (REACH) the product does not contain any substances $\geq 0.1\%$ that are subject to authorisation.                                                                                                          |
| - Annex XVII (REACH)                         | According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product contains $\geq 0.1\%$ of substances with the following restrictions. 75<br>According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product is not subject to any restrictions. |
| <b>TRANSPORT-REGULATIONS</b>                 | ADR (2025); IMDG-Code (2025, 42. Amdt.); IATA-DGR (2025)                                                                                                                                                                                                         |
| <b>NATIONAL REGULATIONS (UK):</b>            | EH40/2005 Workplace exposure limits (Second edition, published December 2011); UK REACH; GB CLP.                                                                                                                                                                 |
| - Observe employment restrictions for people | no                                                                                                                                                                                                                                                               |
| - VOC (2010/75/CE)                           | 0%                                                                                                                                                                                                                                                               |

**15.2 Chemical safety assessment**

For this product a chemical safety assessment has not been carried out.

**SECTION 16: Other information**

**16.1 Hazard statements (SECTION 3)**

H317 May cause an allergic skin reaction.  
H330 Fatal if inhaled.  
H311 Toxic in contact with skin.  
  
H410 Very toxic to aquatic life with long lasting effects.  
H400 Very toxic to aquatic life.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H335 May cause respiratory irritation.  
H318 Causes serious eye damage.  
H314 Causes severe skin burns and eye damage.  
H304 May be fatal if swallowed and enters airways.  
H302 Harmful if swallowed.

## 16.2 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route  
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses  
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure  
ATE = acute toxicity estimate  
CAS = Chemical Abstracts Service  
CLP = Classification, Labelling and Packaging  
DMEL = Derived Minimum Effect Level  
DNEL = Derived No Effect Level  
EC50 = Median effective concentration  
ECB = European Chemicals Bureau  
EEC = European Economic Community  
EINECS = European Inventory of Existing Commercial Chemical Substances  
EL50 = Median effective loading  
ELINCS = European List of Notified Chemical Substances  
EmS = Emergency Schedules  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
IC50 = Inhibition concentration, 50%  
IMDG = International Maritime Code for Dangerous Goods  
IUCLID = International Uniform Chemical Information Database  
IVIS = In vitro irritation score  
LC50 = Lethal concentration, 50%  
LD50 = Median lethal dose  
LC0 = lethal concentration, 0%  
LOAEL = lowest-observed-adverse-effect level  
LL50 = Median lethal loading  
LQ = Limited Quantities  
MARPOL = International Convention for the Prevention of Marine Pollution from Ships  
NOAEL = No Observed Adverse Effect Level  
NOEC = No Observed Effect Concentration  
PBT = Persistent, Bioaccumulative and Toxic substance  
PNEC = Predicted No-Effect Concentration  
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals  
STP = Sewage Treatment Plant  
TLV®/TWA = Threshold limit value – time-weighted average  
TLV®STEL = Threshold limit value – short-time exposure limit  
VOC = Volatile Organic Compounds  
vPvB = very Persistent and very Bioaccumulative

## 16.3 Other information

### Classification procedure

Aquatic Chronic 3: H412 Harmful to aquatic life with long lasting effects. (Calculation method)

### Modified position

none