

Revision date  
04/06/2024

Revision Number  
1  
Country-Language: FIN-EN

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

### 1.1. Product identifier

Product Name NESTE AXLE 80W-90  
Product Code(s) ID 21673  
PR No 2146

Pure substance/mixture Mixture

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

Recommended use Transmission fluid

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

#### Supplier

Neste Markkinointi Oy  
Keilaranta 21, Espoo, P.O.B. 95, FIN-00095 NESTE, FINLAND  
Tel. +358 10 45811  
lubetec@neste.com

### 1.4. Emergency telephone number

Emergency Telephone :

| Emergency Telephone - §45 - (EC)1272/2008 |  |
|---|--|
| Europe                                    | 112<br>Ukraine General Emergency Numbers: Police – 102; Ambulance – 103; Fire – 101; Gas emergency – 104   |
| Bulgaria                                  | Клиника по токсикологияМногопрофилна болница за активно лечение и спешна медицина „Н.И. Пирогов“Телефон за спешни случаи: +359 2 9154 233Телефонът е активен 24/7 и обаждането към него е безплатно. |
| Czech Republic                            | Toxikologické informační středisko: +420 224 919 293, +420 224 915 402   |
| Denmark                                   | Giftlinjen: +45 8212 1212  |
| Estonia                                   | Poison information telephone number: 16662, calling from abroad: (+372) 7943 794   |
| Finland                                   | +358 800 147 111, +358 9 471 977, Poison Information Centre  |
| Latvia                                    | Valsts toksikoloģijas centrs: (+371) 6704 2473   |
| Lithuania                                 | Neatidėliotina informacija apsinuodijus: +370 5 236 20 52.   |
| Netherlands                               | NVIC (088 755 8000),<br>Only for the purpose of informing medical personnel in case of acute intoxications.  |
| Norway                                    | Norway: Poison Information Centre +47 22 59 13 00.   |
| Poland                                    | 112  |
| Romania                                   | Centrul de Informare Toxicologie de la Spitalul Clinic de Urgență București: +40215992300  |
| Slovakia                                  | Národné toxikologické informačné centrum: +421 2 5477 4166   |
| Sweden                                    | När det är akut: 112, begär giftinformation.<br>I mindre akuta fall 010-456 6700, Giftinformationscentralens direktnummer  |

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Not classified

### 2.2. Label elements

Not classified

### Hazard statements

Not classified

EUH208 - Contains Amines, C12-14-tert-alkyl, Di-tert-butyl polysulfide May produce an allergic reaction.

EUH210 - Safety data sheet available on request

### 2.3. Other hazards

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

This product does not contain substances considered to have endocrine disrupting properties at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable

### 3.2 Mixtures

| Chemical name  | Weight-%     | REACH registration number | EC No (EU Index No) | Classification according to Regulation (EC) No. 1272/2008 [CLP]  | Specific concentration limit (SCL) | M-Factor | M-Factor (long-term) |
|--|--------------|---------------------------|---------------------|--|------------------------------------|----------|----------------------|
| Di-tert-butyl polysulfide<br>68937-96-2  | 2 - < 2,5    | 01-2119540515-43-XX<br>XX | 273-103-3           | Aquatic Chronic 1 (H410)<br>Aquatic Acute 1 (H400)<br>Skin Sens. 1B (H317)   | -                                  | -        | -                    |
| Amines,<br>C12-14-tert-alkyl<br>68955-53-3   | 0,1 - < 0,25 | 01-2119456798-18-XX<br>XX | 273-279-1           | Skin Corr. 1B (H314)<br>Aquatic Chronic 1 (H410)<br>Aquatic Acute 1 (H400)<br>STOT SE 3 (H335)<br>Skin Sens. 1A (H317)<br>Acute Tox. 3 (H311)<br>Acute Tox. 2 (H330)<br>Acute Tox. 4 (H302)<br>Eye Dam. 1 (H318) | -                                  | -        | -                    |
| (Z)-octadec-9-enylamine, C16-18-(even numbered, saturated and unsaturated)-alkylamines<br>1213789-63-9 | 0,05 - < 0,1 | 01-2119473797-19-XX<br>XX | 627-034-4           | Acute Tox. 4 (H302)<br>Skin Corr. 1B (H314)<br>Eye Dam. 1 (H318)<br>STOT SE 3 (H335)<br>STOT RE 2 (H373)<br>Asp. Tox. 1 (H304)<br>Aquatic Acute 1 (H400)   | -                                  | 10       | 10                   |

|  |  |  |  |                             |  |  |  |
|--|--|--|--|-----------------------------|--|--|--|
|  |  |  |  | Aquatic Chronic 1<br>(H410) |  |  |  |
|--|--|--|--|-----------------------------|--|--|--|

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

Acute Toxicity Estimate

| Chemical name                           | Oral LD50 mg/kg  | Dermal LD50 mg/kg | Inhalation LC50 - 4 hour - dust/mist - mg/L | Inhalation LC50 - 4 hour - vapour - mg/L | Inhalation LC50 - 4 hour - gas - ppm |
|---|------------------|-------------------|---|--|--------------------------------------|
| Di-tert-butyl polysulfide<br>68937-96-2 | 6500 mg/kg (Rat) | No data available | No data available                           | No data available                        | No data available                    |
| Amines, C12-14-tert-alkyl<br>68955-53-3 | 612 mg/kg (Rat)  | 251 mg/kg (Rat)   | 1,19 mg/l, 4h(Rat)                          | No data available                        | No data available                    |

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

#### **Additional information**

Mixture of a petroleum product and additives.

Specific concentration limit (SCL): CAS No. 68937-96-2: Skin Sens. 1B (H317), C  $\geq 6\%$

CAS No 68955-53-3. Skin Sens. 1A (H317), C  $\geq 6.7\%$  Supplier's details

### **SECTION 4: First aid measures**

#### **4.1. Description of first aid measures**

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Remove person to fresh air and keep comfortable for breathing. Get medical attention if symptoms are severe or persist.  |
| <b>Eye contact</b>  | Rinse the open eye with plenty of water for at least 10 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If you have been exposed to contact with a hot product, rinse the exposed area with plenty of water to disperse the heat. Get medical attention if irritation persists after washing. |
| <b>Skin contact</b> | Remove contaminated clothing and shoes. Wash skin with soap and water.   |
| <b>Ingestion</b>    | Do not induce vomiting without medical advice. Rinse mouth thoroughly with water. Get medical attention immediately if symptoms occur.   |

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

|                 |  |
|-----------------|--|
| <b>Symptoms</b> | The product contains a small amount of sensitising substance. May cause an allergic skin reaction. |
|-----------------|--|

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

|                        |                        |
|------------------------|------------------------|
| <b>Note to doctors</b> | Treat symptomatically. |
|------------------------|------------------------|

### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

|                                     |  |
|-------------------------------------|--|
| <b>Suitable Extinguishing Media</b> | Dry chemical, CO2, alcohol-resistant foam or water spray. Cool drums with water spray. |
|-------------------------------------|--|

Keep away from fire due to explosion hazard.

**Large Fire**

CAUTION: Use of water spray when fighting fire may be inefficient.

**Unsuitable extinguishing media**

Do not scatter spilled material with high pressure water streams.

**5.2. Special hazards arising from the substance or mixture****Specific hazards arising from the chemical**

In the event of fire and/or explosion do not breathe fumes. Burning produces heavy smoke.

**Hazardous combustion products**

Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Sulphur compounds. Phosphorus compounds. Nitrogen containing compounds. Products of incomplete combustion.

**5.3. Advice for firefighters****Special protective equipment and precautions for fire-fighters**

Use personal protection equipment. Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****Personal precautions**

Do not breathe vapour or mist. Avoid swallowing the product. Avoid contact with skin and eyes. Use personal protective equipment as required. Take care as floors and other surfaces may become slippery.

**For emergency responders**

Keep unnecessary and unprotected personnel away from the spillage.

**6.2. Environmental precautions****Environmental precautions**

Do not allow to enter into soil/subsoil. Prevent, by any means available, spillage from entering drains or surface waters. Inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air).

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

Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up**

Take up with sand, earth or other non-combustible absorbent material. Place in appropriate chemical waste container. Dispose of wastes in an approved waste disposal facility.

**Prevention of secondary hazards**

Clean contaminated objects and areas thoroughly observing environmental regulations.

**6.4. Reference to other sections****Reference to other sections**

See section 8 for more information.

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

Avoid swallowing the product. Avoid contact with eyes and prolonged or repeated contact with skin. Ensure adequate ventilation. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. See section 8 for more information.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

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

**Storage Conditions** Keep/store only in original container. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Do not contaminate food or feed stuffs.

**Storage class (TRGS 510)** LGK 10.

## 7.3. Specific end use(s)

**Specific use(s)**  
Transmission fluid.

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

# SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

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

## Derived No Effect Level (DNEL) - Workers

| Chemical name  | Oral | Dermal                    | Inhalation  |
|--|------|---------------------------|---|
| Di-tert-butyl polysulfide<br>68937-96-2  | -    | 4.67 mg/kg bw/day [4] [6] | 3.29 mg/m <sup>3</sup> [4] [6]  |
| (Z)-octadec-9-enylamine,<br>C16-18-(even numbered, saturated<br>and unsaturated)-alkylamines<br>1213789-63-9 | -    | -                         | 1 mg/m <sup>3</sup> , Industrial [5] [6]<br>0.38 mg/m <sup>3</sup> , Industrial [4] [6]<br>1 mg/m <sup>3</sup> , Industrial [5] [7] |

## Notes

[4] Systemic health effects.  
[5] Local health effects.  
[6] Long term.  
[7] Short term.

## Derived No Effect Level (DNEL) - General Public

| Chemical name  | Oral                       | Dermal | Inhalation                      |
|--|----------------------------|--------|---------------------------------|
| Di-tert-butyl polysulfide<br>68937-96-2  | 0.167 mg/kg bw/day [4] [6] | -      | 0.58 mg/m <sup>3</sup> [4] [6]  |
| (Z)-octadec-9-enylamine,<br>C16-18-(even numbered, saturated<br>and unsaturated)-alkylamines<br>1213789-63-9 | 0.04 mg/kg [4] [6]         | -      | 0.035 mg/m <sup>3</sup> [4] [6] |

**Notes**

[4]

Systemic health effects.

[6]

Long term.

**Predicted No Effect Concentration (PNEC)**

| Chemical name   | Freshwater  | Freshwater<br>(intermittent release) | Marine water | Marine water<br>(intermittent release) | Air |
|---|-------------|--------------------------------------|--------------|--|-----|
| Di-tert-butyl polysulfide<br>68937-96-2   | 0.24 µg/L   | 0.0024 mg/L                          | 0.024 µg/L   | -                                      | -   |
| (Z)-octadec-9-enylamine,<br>C16-18-(even numbered,<br>saturated and<br>unsaturated)-alkylamines<br>1213789-63-9 | 0.376 mg/kg | -                                    | -            | -                                      | -   |

| Chemical name   | Freshwater<br>sediment    | Marine sediment            | Sewage treatment | Soil                     | Food chain      |
|---|---------------------------|----------------------------|------------------|--------------------------|-----------------|
| Di-tert-butyl polysulfide<br>68937-96-2   | 0.94 mg/kg<br>sediment dw | 0.094 mg/kg<br>sediment dw | 4.51 mg/L        | 18.1 µg/kg soil dw       | 6.66 mg/kg food |
| (Z)-octadec-9-enylamine,<br>C16-18-(even numbered,<br>saturated and<br>unsaturated)-alkylamines<br>1213789-63-9 | -                         | 3.76 mg/kg                 | -                | 10 mg/kg,<br>Agriculture | -               |

**8.2. Exposure controls****Engineering controls**

Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

**Personal protective equipment****Eye/face protection**

Tight sealing safety goggles.

**Hand protection**

Wear protective gloves. It is recommended that gloves are made of the following material: Neoprene. Nitrile rubber. Change protective gloves regularly. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves.

**Skin and body protection**

Wear suitable protective clothing. CEN-EN 14605. Take off contaminated clothing and wash it before reuse.

**Respiratory protection**

No special protective equipment required. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. Organic vapour filter. For example: A. Organic gases and vapours filter conforming to EN 14387.

**General hygiene considerations**

Handle in accordance with good industrial hygiene and safety practice. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

**Environmental exposure controls**

Store in a demarcated bunded area to prevent release to drains and/or watercourses.

## SECTION 9: Physical and chemical properties

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

|                 |                   |
|-----------------|-------------------|
| Physical state  | Liquid            |
| Colour          | Amber             |
| Odour           | Almost odourless. |
| Odour threshold | -                 |

| Property                                | Values                    | Remarks • Method |
|---|---------------------------|------------------|
| Melting point / freezing point          | -                         |                  |
| Initial boiling point and boiling range | > 300 °C                  | ASTM D2887       |
| Flammability                            | -                         |                  |
| Flammability Limit in Air               |                           |                  |
| Upper flammability or explosive limits  | -                         |                  |
| Lower flammability or explosive limits  | -                         |                  |
| Flash point                             | 176 °C                    | ASTM D93         |
| Autoignition temperature                | -                         |                  |
| Decomposition temperature               | -                         |                  |
| pH                                      | No data available         |                  |
| pH (as aqueous solution)                | No data available         |                  |
| Kinematic viscosity                     | 131.50 mm <sup>2</sup> /s | @ 40 °C          |
| Dynamic viscosity                       | -                         |                  |
| Water solubility                        | Immiscible in water       |                  |
| Solubility(ies)                         | -                         |                  |
| Partition coefficient                   | -                         |                  |
| Vapour pressure                         | -                         |                  |
| Relative density                        | 0.88                      | ASTM D4052       |
| Bulk density                            | -                         |                  |
| Liquid Density                          | -                         |                  |
| Relative vapour density                 | -                         |                  |
| Particle characteristics                |                           |                  |
| Particle Size                           | -                         |                  |
| Particle Size Distribution              | -                         |                  |

### 9.2. Other information

9.2.1. Information with regards to physical hazard classes  
No information available

9.2.2. Other safety characteristics  
No information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

### 10.2. Chemical stability

Stability Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

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

#### **10.4. Conditions to avoid**

**Conditions to avoid** Extremes of temperature and direct sunlight.

#### **10.5. Incompatible materials**

**Incompatible materials** Strong oxidising agents. Strong acids. Bases.

#### **10.6. Hazardous decomposition products**

**Hazardous decomposition products** Carbon oxides. Sulphur compounds. Phosphorus. Nitrogen. Hydrogen sulphide.

### **SECTION 11: Toxicological information**

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

##### **Information on likely routes of exposure**

##### **Product Information**

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

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

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

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

**Symptoms** None known.

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

##### **Numerical measures of toxicity**

##### **Component Information**

| Chemical name             | Oral LD50        | Dermal LD50     | Inhalation LC50     |
|---------------------------|------------------|-----------------|---------------------|
| Di-tert-butyl polysulfide | 6500 mg/kg (Rat) | -               | -                   |
| Amines, C12-14-tert-alkyl | 612 mg/kg (Rat)  | 251 mg/kg (Rat) | 1,19 mg/l, 4h (Rat) |

##### **Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Skin corrosion/irritation** Based on available data, the classification criteria are not met. Causes mild skin irritation. Supplier's details.

**Serious eye damage/eye irritation** Based on available data, the classification criteria are not met. May cause eye irritation. Supplier's details.

**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met. The product contains a small amount of sensitising substance. May cause an allergic skin reaction.



|                                 |  |
|---------------------------------|--|
| <b>Germ cell mutagenicity</b>   | Based on available data, the classification criteria are not met.  |
| <b>Carcinogenicity</b>          | Based on available data, the classification criteria are not met.  |
| <b>Reproductive toxicity</b>    | Based on available data, the classification criteria are not met.  |
| <b>STOT - single exposure</b>   | Based on available data, the classification criteria are not met. Inhaling the mists and vapors produced at high temperatures may cause irritation of the respiratory tract. Supplier's details. |
| <b>STOT - repeated exposure</b> | Based on available data, the classification criteria are not met.  |
| <b>Aspiration hazard</b>        | Based on available data, the classification criteria are not met.  |

## 11.2. Information on other hazards

### 11.2.1. Endocrine disrupting properties

|  |  |
|--|--|
| <b>Endocrine disrupting properties</b> | This product does not contain substances considered to have endocrine disrupting properties at levels of 0.1% or higher. |
|--|--|

### 11.2.2. Other information

|                              |             |
|------------------------------|-------------|
| <b>Other adverse effects</b> | None known. |
|------------------------------|-------------|

## SECTION 12: Ecological information

### 12.1. Toxicity

|                    |   |
|--------------------|---|
| <b>Ecotoxicity</b> | Based on available data, the classification criteria are not met. Tests performed on the mixture do not support the environmental classifications of the components. Bridging principle "Dilution". Supplier's details. |
|--------------------|---|

| Chemical name  | Algae/aquatic plants | Fish   | Toxicity to microorganisms | Crustacea  |
|--|----------------------|--|----------------------------|--|
| Di-tert-butyl polysulfide  | -                    | LC50, 96h: 250 - 500 mg/L, Pimephales promelas<br>LC50, 96 h: > 1000 mg/L, Pimephales promelas | -                          | EC50, 48 h: > 1000 mg/L, Daphnia magna   |
| Amines, C12-14-tert-alkyl  | -                    | LC50, 96 h: 1,3 mg/L, Oncorhynchus mykiss  | -                          | -  |
| (Z)-octadec-9-enylamine, C16-18-(even numbered, saturated and unsaturated)-alkylamines | -                    | LD50, 96 h: 0,11 mg/L, Pimephales promelas   | -                          | EC50, 48 h: 0,011 mg/L, Daphnia magna<br>NOEC, 48 h: 0,013 mg/L, Daphnia magna |

### 12.2. Persistence and degradability

|                                      |                           |
|--------------------------------------|---------------------------|
| <b>Persistence and degradability</b> | No information available. |
|--------------------------------------|---------------------------|

**12.3. Bioaccumulative potential**

**Bioaccumulation** No information available.

**Component Information**

| Chemical name             | Partition coefficient |
|---------------------------|-----------------------|
| Di-tert-butyl polysulfide | 5.6                   |

**12.4. Mobility in soil**

**Mobility in soil** Risk of soil and ground water contamination. Avoid release to the environment.

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

**PBT and vPvB assessment** This mixture contains no substance considered to be persistent, bioaccumulating or toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

**12.6. Endocrine disrupting properties**

**Endocrine disrupting properties** This product does not contain substances considered to have endocrine disrupting properties at levels of 0.1% or higher.

**12.7. Other adverse effects**

None known.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation. Do not allow into any sewer, on the ground or into any body of water.

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

**SECTION 14: Transport information**

**Note:** This material is not subject to regulation as a hazardous material for shipping (IMDG, IATA, ADR / RID).

**IATA**

- 14.1 UN number or ID number -
- 14.2 UN proper shipping name -
- 14.3 Transport hazard class(es) -
- 14.4 Packing group -
- 14.5 Environmental hazards Dangerous for the environment / Marine pollutant No
- 14.6 Special precautions for user Not applicable

**IMDG**

- 14.1 UN number or ID number -
- 14.2 UN proper shipping name -
- 14.3 Transport hazard class(es) -
- 14.4 Packing group -

14.5 Environmental hazard Dangerous for the environment / Marine pollutant No  
14.6 Special precautions for user Not applicable  
14.7 Maritime transport in bulk according to IMO instruments Not applicable

**RID**

14.1 UN number or ID number -  
14.2 UN proper shipping name -  
14.3 Transport hazard class(es) -  
14.4 Packing group -  
14.5 Environmental hazard Dangerous for the environment / Marine pollutant No  
14.6 Special precautions for user Not applicable

**ADR**

14.1 UN number or ID number -  
14.2 UN proper shipping name -  
14.3 Transport hazard class(es) -  
14.4 Packing group -  
14.5 Environmental hazard Dangerous for the environment / Marine pollutant No  
14.6 Special precautions for user Not applicable

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations**

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) Classification according to Regulation (EC) No. 1272/2008 [CLP]

**European Union**

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

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

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

**Persistent Organic Pollutants**

Not applicable

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

Not applicable

**15.2. Chemical safety assessment**

## Chemical Safety Report

No information available

**SECTION 16: Other information****Key or legend to abbreviations and acronyms used in the safety data sheet****Full text of H-Statements referred to under section 3**

H302 - Harmful if swallowed

H304 - May be fatal if swallowed and enters airways

H311 - Toxic in contact with skin

H314 - Causes severe skin burns and eye damage

H317 - May cause an allergic skin reaction

H318 - Causes serious eye damage

H330 - Fatal if inhaled

H335 - May cause respiratory irritation

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

**Legend**

SVHC: Substances of Very High Concern for Authorisation:

PBT: Persistent, Bioaccumulative, and Toxic (PBT) Substances

vPvB: Very Persistent and very Bioaccumulative (vPvB) Substances

**Legend Section 8: Exposure controls/personal protection**

TWA TWA (time-weighted average)

STEL

STEL (Short Term Exposure Limit)

Ceiling Maximum limit value

Skin designation

+ Sensitisers

| Classification procedure  |                    |
|---|--------------------|
| Classification according to Regulation (EC) No. 1272/2008 [CLP] | Method Used        |
| Acute oral toxicity   | Calculation method |
| Acute dermal toxicity   | Calculation method |
| Acute inhalation toxicity - gas                                 | Calculation method |
| Acute inhalation toxicity - vapour                              | Calculation method |
| Acute inhalation toxicity - dust/mist                           | Calculation method |
| Skin corrosion/irritation                                       | Calculation method |
| Serious eye damage/eye irritation                               | Calculation method |
| Respiratory sensitisation                                       | Calculation method |
| Skin sensitisation  | Calculation method |
| Mutagenicity  | Calculation method |
| Carcinogenicity   | Calculation method |
| Reproductive toxicity   | Calculation method |
| STOT - single exposure  | Calculation method |
| STOT - repeated exposure  | Calculation method |
| Acute aquatic toxicity  | Calculation method |
| Chronic aquatic toxicity  | Calculation method |
| Aspiration hazard   | Calculation method |
| Ozone   | Calculation method |

Revision date 04/06/2024

Reason for revision This is the first issue.

Further information Details of the supplier of the safety data sheet : 18.4.2024

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

**Disclaimer**

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

**End of Safety Data Sheet**