

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 13-4-2015 Revision date: 7-7-2023 Supersedes: 13-4-2015 Version: 2.0

PM-2/101

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

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:

#### **1.1. Product identifier**

| Product form  |  |
|---------------|--|
| Product name  |  |
| Product code  |  |
| Product group |  |

| Mixture              |
|----------------------|
| Eurol Spindle Grease |
| S005172              |
| Trade product        |

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

#### 1.2.1. Relevant identified uses

Main use category Use of the substance/mixture Function or use category : Industrial use,professional use : Lubricant

: Lubricants and additives

#### 1.2.2. Uses advised against

No additional information available

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

Eurol B.V. Energiestraat 12 NL-7442 DA Nijverdal The Netherlands Tel: +31 548 615 165 reach@eurol.com - www.eurol.com

#### 1.4. Emergency telephone number

### Emergency number : For Transport Emergency Call +31 6 26 71 27 43 (24hr/day 7days/week)

| Country        | Organisation/Company   | Address                                       | Emergency number   | Comment                           |
|----------------|--|---|--|-----------------------------------|
| Ireland        | National Poisons Information Centre<br>Beaumont Hospital                     | PO Box 1297<br>Beaumont Road<br>9 Dublin      | +353 1 809 2566<br>(Healthcare professionals-<br>24/7)<br>+353 1 809 2166 (public,<br>8am - 10pm, 7/7) |                                   |
| Malta          | Medicines & Poisons Info Office  | Mater Dei Hospital<br>Msida<br>MSD 2090 Msida | +356 2545 6508   |                                   |
| United Kingdom | National Poisons Information Service<br>(Birmingham Centre)<br>City Hospital | Dudley Road<br>B18 7QH                        | 0344 892 0111  | Only for healthcare professionals |
| United Kingdom | NHS 111/NHS 24/NHS Direct  |   | 111<br>0845 4647   | or call a doctor                  |

## **SECTION 2: Hazards identification**

#### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

#### Not classified

#### Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| 2.2. Label elements                                  |   |
|--|---|
| Labelling according to Regulation (EC) No. 1272/2    | 008 [CLP]   |
| EUH-statements                                       | : EUH208 - Contains Naphthenic acids, bismuth salts . May produce an allergic reaction.<br>EUH210 - Safety data sheet available on request.   |
| 2.3. Other hazards                                   |   |
| Other hazards not contributing to the classification | : This product floats on water and may affect the oxygen-balance in the water. The base oil contains less than 3% DMSO-extract measured according IP 346, therefore it is NOT classified as H350: May cause cancer" (Note L).". |

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## **SECTION 3: Composition/information on ingredients**

## 3.1. Substances

#### Not applicable

## 3.2. Mixtures

| Name  | Product identifier   | %       | Classification according to<br>Regulation (EC) No. 1272/2008<br>[CLP] |
|---|--|---------|---|
| Naphthenic acids, bismuth salts                                       | CAS-No.: 85736-59-0<br>EC-No.: 288-470-5<br>REACH-no: 01-2120769500-<br>56 | 3 – 5   | Eye Irrit. 2, H319<br>Skin Sens. 1, H317                              |
| Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene | CAS-No.: 68411-46-1<br>EC-No.: 270-128-1<br>REACH-no: 01-2119491299-<br>23 | 0,1 – 1 | Repr. 2, H361f  |

Full text of H- and EUH-statements: see section 16

| SECTION 4: First aid measures  |   |
|--|---|
| 4.1. Description of first aid measures   |   |
| First-aid measures general<br>First-aid measures after inhalation<br>First-aid measures after skin contact<br>First-aid measures after eye contact<br>First-aid measures after ingestion | <ul> <li>Seek medical attention if ill effect develops.</li> <li>Remove person to fresh air and keep comfortable for breathing.</li> <li>Wash skin with plenty of water.</li> <li>Rinse eyes with water as a precaution.</li> <li>Call a poison center or a doctor if you feel unwell.</li> </ul> |
| 4.2. Most important symptoms and ef  | fects, both acute and delayed   |
| Symptoms/effects after inhalation  | : At normal ambient temperatures this product will be unlikely to present an inhalation hazard because of its low volatility. May be harmful by inhalation if exposure to vapour, mists or fumes resulting from thermal decomposition products occurs.  |
| Symptoms/effects after skin contact  | : Unlikely to cause harm to the skin on brief or occasional contact but prolonged or repeated exposure may lead to dermatitis. High pressure injection of product into the skin may lead to local necrosis if the product is not surgically removed.  |
| Symptoms/effects after eye contact<br>Symptoms/effects after ingestion   | <ul> <li>Unlikely to cause more than transient stinging or redness if accidental eye contact occurs.</li> <li>Bad taste. Unlikely to cause harm if accidentally swallowed in small doses, though larger quantities may cause nausea and diarrhoea.</li> </ul>                                     |
|  |   |

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Symptoms/effects upon intravenous administration : Unknown.

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

Treat symptomatically.

| SECTION 5: Firefighting measures   |   |  |
|--|---|--|
| 5.1. Extinguishing media   |   |  |
| Suitable extinguishing media<br>Unsuitable extinguishing media                             | <ul> <li>Water spray. Dry powder. Foam. Carbon dioxide.</li> <li>Do not use a heavy water stream. Use of heavy stream of water may spread fire.</li> </ul>  |  |
| 5.2. Special hazards arising from the substance or mixture                                 |   |  |
| Fire hazard<br>Explosion hazard<br>Hazardous decomposition products in case of fire        | <ul> <li>Combustion generates: CO, CO2, POx, NOx, SOx, H2S. Metal oxides.</li> <li>Not expected to be a fire/explosion hazard under normal conditions of use.</li> <li>Toxic fumes may be released.</li> </ul>  |  |
| 5.3. Advice for firefighters   |   |  |
| Precautionary measures fire<br>Firefighting instructions<br>Protection during firefighting | <ul> <li>Do not enter fire area without proper protective equipment, including respiratory protection.</li> <li>Use water spray or fog for cooling exposed containers.</li> <li>Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.</li> </ul> |  |
| Other information  | : Prevent fire fighting water from entering the environment. Sweep up and remove to a suitable, clearly marked container for disposal in accordance with local regulations.   |  |

| SECTION 6: Accidental release measures<br>6.1. Personal precautions, protective equipment and emergency procedures |  |  |
|--|--|--|
|  |  |  |
| 6.1.1. For non-emergency personnel   |  |  |
| Protective equipment   | : When the risk of skin exposure is high (e.g. when cleaning up spillages or if there is a risk of splashing) then chemical resistant aprons and/or impervious chemical suits and boots will be required. Use protective clothing. |  |
| Emergency procedures   | : Ventilate spillage area.   |  |
| 6.1.2. For emergency responders  |  |  |
| Protective equipment   | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".  |  |
| Emergency procedures   | : No specific measures are necessary.  |  |
| 6.2. Environmental precautions   |  |  |
| Avoid release to the environment.  |  |  |

 6.3. Methods and material for containment and cleaning up

 For containment
 : Collect spillage.

 Methods for cleaning up
 : Take up liquid spill into absorbent material.

 Other information
 : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| SECTION 7: Handling and storage  |  |  |
|--|--|--|
| 7.1. Precautions for safe handling   |  |  |
| Additional hazards when processed  | : Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous<br>Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat,<br>flame, sparks, static electricity, or other sources of ignition. They may explode and cause<br>injury or death. Empty containers should be completely drained, properly closed, and<br>promptly returned to a drum reconditioner or disposed of properly. |  |
| Precautions for safe handling<br>Hygiene measures  | <ul> <li>Ensure good ventilation of the work station. Wear personal protective equipment.</li> <li>Do no eat, drink or smoke when using this product. Always wash hands after handling the product.</li> </ul>   |  |
| 7.2. Conditions for safe storage, including any incompatibilities  |  |  |
| Technical measures<br>Storage conditions<br>Incompatible products<br>Maximum storage period<br>Storage temperature<br>Information on mixed storage<br>Storage area<br>Special rules on packaging | <ul> <li>Keep container tightly closed and in well ventilated place.</li> <li>Store in a well-ventilated place. Keep cool.</li> <li>Reacts vigorously with strong oxidizers and acids.</li> <li>5 year</li> <li>≤ 40 °C</li> <li>Keep away from : Oxidizing materials. Strong acids.</li> <li>Store at ambient temperature.</li> <li>Keep container tightly closed and dry.</li> </ul>   |  |

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

Exposure-value for oil mist

#### 8.1.5. Control banding

No additional information available

8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### 8.2.2. Personal protection equipment

#### Personal protective equipment:

Gloves. In case of splash hazard: safety glasses. Eye protection should only be necessary where liquid could be splashed or sprayed.

#### Personal protective equipment symbol(s):



: 10 mg/m3 (15 min.) or 5 mg/m3 (8 hours).

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

#### 8.2.2.1. Eye and face protection

Eye protection: Safety glasses

#### 8.2.2.2. Skin protection

**Skin and body protection:** Wear suitable protective clothing

Hand protection: Protective gloves

#### Other skin protection

Materials for protective clothing: PVC gloves. Neoprene or nitrile rubber gloves

#### 8.2.2.3. Respiratory protection

#### **Respiratory protection:**

In case of insufficient ventilation, wear suitable respiratory equipment.

#### 8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

Consumer exposure controls:

PVC gloves. Neoprene or nitrile rubber gloves.

#### Other information:

Do not put the product-soaked rags into the pockets of working clothes. Do not use cloths stained with the product to dry hands. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke during use. Wash contaminated clothing before reuse.

| SECTION 9: Physical and chemical properties                |                         |  |
|--|-------------------------|--|
| 9.1. Information on basic physical and chemical properties |                         |  |
| Physical state   | : Liquid                |  |
| Colour   | : Beige.                |  |
| Appearance   | : Paste.                |  |
| Odour  | : characteristic.       |  |
| Odour threshold  | : Not available         |  |
| Melting point  | : Not applicable        |  |
| Freezing point   | : Not available         |  |
| Boiling point  | : > 280 °C              |  |
| Flammability (solid, gas)                                  | : Non flammable.        |  |
| Explosive limits   | : 0,6 – 7 vol %         |  |
| Lower explosive limit (LEL)                                | : 0,6 vol %             |  |
| Upper explosive limit (UEL)                                | : 7 vol %               |  |
| Flash point  | : > 150 °C ASTM D 93    |  |
| Auto-ignition temperature                                  | : >240 °C               |  |
| Decomposition temperature                                  | : Not available         |  |
| pH   | : Not available         |  |
| Viscosity, kinematic                                       | : > 20,5 mm²/s at 40 °C |  |
| Solubility   | : insoluble in water.   |  |
| Log Kow  | : Not available         |  |
| Log Pow  | : >3                    |  |
| Vapour Pressure 20°C                                       | : < 0,1 hPa             |  |
| Vapour pressure at 50°C                                    | : Not available         |  |
| Density  | ∶ < 1000 kg/l at 25 °C  |  |
| Relative density   | : Not available         |  |
| Relative vapour density at 20°C                            | : >1 (air=1)            |  |

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Particle characteristics                                  | : Not applicable                      |  |
|---|---------------------------------------|--|
| 9.2. Other information                                    |                                       |  |
| 9.2.1. Information with regard to physical hazard classes |                                       |  |
| Explosion limits  | : 0,6 – 7 vol %                       |  |
| 9.2.2. Other safety characteristics                       |                                       |  |
| Relative evaporation rate (butylacetate=1)                | : < 0,1                               |  |
| VOC content   | : 0%                                  |  |
| Other properties  | : Gas/vapour heavier than air at 20°C |  |

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

### 10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Refer to section 10.1 on Reactivity.

**10.4. Conditions to avoid** 

Moisture. Overheating.

10.5. Incompatible materials

Strong oxidizing agents. Strong acids.

**10.6. Hazardous decomposition products** 

CO, CO2, POx, NOx, SOx, H2S. Metal oxides.

## **SECTION 11: Toxicological information**

| 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008     |   |  |
|--|---|--|
| Acute toxicity (oral):Acute toxicity (dermal):Acute toxicity (inhalation):         | Not classified<br>Not classified<br>Not classified  |  |
| Naphthenic acids, bismuth salts (85736-59-0)                                       | )   |  |
| LD50 oral rat  | > 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EU Method B.1 tris<br>(Acute Oral Toxicity - Acute Toxic Class Method), Guideline: OECD Guideline 423 (Acute<br>Oral toxicity - Acute Toxic Class Method) |  |
| Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1) |   |  |
| LD50 oral rat  | > 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Remarks on results: other:  |  |
| LD50 dermal rat  | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Remarks on results: other:  |  |
| Skin corrosion/irritation :  | Not classified  |  |
| Serious eye damage/irritation :  | Not classified  |  |
| Respiratory or skin sensitisation :  | Not classified. (Based on available data, the classification criteria are not met)  |  |
| Germ cell mutagenicity :   | Not classified  |  |
| Carcinogenicity :  | Not classified  |  |
| Reproductive toxicity :  | Not classified  |  |

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| e e e e mais e me e a e  | Not classified<br>Not classified   |  |
|--|--|--|
| Benzenamine, N-phenyl-, reaction products w  | ith 2,4,4-trimethylpentene (68411-46-1)  |  |
| NOAEL (oral, rat, 90 days)   | 25 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) |  |
| Aspiration hazard :  | Not classified   |  |
| Eurol Spindle Grease PM-2/101  |  |  |
| Viscosity, kinematic   | > 20,5 mm²/s at 40 °C  |  |
| Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1) |  |  |
| Viscosity, kinematic   | 352,7 mm²/s Temp.: '40°C' Parameter: 'kinematic viscosity (in mm²/s)'  |  |

### **11.2. Information on other hazards**

### 11.2.1. Endocrine disrupting properties

No additional information available

## 11.2.2. Other information

Other information

: Toxicological data have not been determined specifically for this product. Information given is based on a knowledge of the components and the toxicology of similar products, Likely route of exposure: ingestion, skin and eye.

| SECTION 12: Ecological information                        |   |
|---|---|
| 12.1. Toxicity  |   |
| Ecology - general   | : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.                                   |
| Ecology - water   | : This product floats on water and may affect the oxygen-balance in the water. If it enters soil it will adsorb to soil particles and will not be mobile. |
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified  |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified  |
| Naphthenic acids, bismuth salts (85736-59                 | 9-0)  |

| Naphthenic acids, bismuth salts (85736-59-0) |  |
|--|--|
| LC50 fish 1                                  | ≈ 5,62 mg/l Test organisms (species): Pimephales promelas  |
| EC50 Daphnia 1                               | ≈ 20 mg/l Test organisms (species): Daphnia magna  |
| EC50 other aquatic organisms 1               | ≈ 25 mg/l Test organisms (species):  |
| EC50 72h - Algae [1]                         | ≈ 29,6 mg/l Test organisms (species): Raphidocelis subcapitata (previous names:<br>Pseudokirchneriella subcapitata, Selenastrum capricornutum) |
| EC50 72h - Algae [2]                         | ≈ 17,7 mg/l Test organisms (species): Raphidocelis subcapitata (previous names:<br>Pseudokirchneriella subcapitata, Selenastrum capricornutum) |
| EC50 96h - Algae [1]                         | ≈ 29,9 mg/l Test organisms (species): Raphidocelis subcapitata (previous names:<br>Pseudokirchneriella subcapitata, Selenastrum capricornutum) |
| EC50 96h - Algae [2]                         | ≈ 18,1 mg/l Test organisms (species): Raphidocelis subcapitata (previous names:<br>Pseudokirchneriella subcapitata, Selenastrum capricornutum) |
| Benzenamine, N-phenyl-, reaction products w  | ith 2,4,4-trimethylpentene (68411-46-1)  |
| LC50 fish 1                                  | > 100 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)  |
| EC50 Daphnia 1                               | 51 mg/l Test organisms (species): Daphnia magna  |
| EC50 72h - Algae [1]                         | > 100 mg/l Test organisms (species): Desmodesmus subspicatus (previous name:<br>Scenedesmus subspicatus)                                       |

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1) |  |  |
|--|--|--|
| ErC50 (algae)  | > 100 mg/l 72h   |  |
| 12.2. Persistence and degradability  |  |  |
| Eurol Spindle Grease PM-2/101  |  |  |
| Persistence and degradability  | Not readily biodegradable.   |  |
| 12.3. Bioaccumulative potential  |  |  |
| Eurol Spindle Grease PM-2/101  |  |  |
| Log Pow  | > 3  |  |
| Bioaccumulative potential  | This product is not expected to bioaccumulate through food chains in the environment.  |  |
| Benzenamine, N-phenyl-, reaction products w  | /ith 2,4,4-trimethylpentene (68411-46-1)   |  |
| Bioconcentration factor (BCF REACH)  | 1730   |  |
| Log Pow  | 5,1  |  |
| 12.4. Mobility in soil   |  |  |
| Eurol Spindle Grease PM-2/101  |  |  |
| Ecology - soil   | Not miscible with water. Spillages may penetrate the soil causing ground water contamination. This product floats on water and may affect the oxygen-balance in the water. If it enters soil, it will adsorb to soil particles and will not be mobile. |  |
| 12.5. Results of PBT and vPvB assessment   |  |  |
| No additional information available  |  |  |
| 12.6. Endocrine disrupting properties  |  |  |
| No additional information available  |  |  |
| 12.7. Other adverse effects  |  |  |
| No additional information available  |  |  |

| SECTION 13: Disposal consideration   | S   |
|--|---|
| 13.1. Waste treatment methods  |   |
| Regional legislation (waste)<br>Product/Packaging disposal recommendations<br>Waste disposal recommendations | <ul> <li>Disposal must be done according to official regulations.</li> <li>Dispose of contents/container in accordance with licensed collector's sorting instructions.</li> <li>Dispose in a safe manner in accordance with local/national regulations. Do not discharge into drains or the environment.</li> </ul>   |
| Additional information<br>Ecology - waste materials<br>European List of Waste (LoW) code                     | <ul> <li>Hazardous waste.</li> <li>Every mixture with foreign substances such as solvents, brake- and cooling liquids is forbidden. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly. When not empty dispose of this container at hazardous or special waste collection point.</li> <li>12 01 12* - spent waxes and fats</li> </ul> |

## **SECTION 14: Transport information**

### In accordance with ADR / IMDG / IATA / ADN / RID

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| ADR                               | IMDG   | ΙΑΤΑ                              | ADN                               | RID                                  |
|-----------------------------------|--|-----------------------------------|-----------------------------------|--------------------------------------|
| 14.1. UN number or ID n           | umber  |                                   | <u>'</u>                          |                                      |
| Not applicable                    | Not applicable   | Not applicable                    | Not applicable                    | Not applicable                       |
| 14.2. UN proper shipping          | g name   | ,                                 |                                   |                                      |
| Not applicable                    | Not applicable   | Not applicable                    | Not applicable                    | Not applicable                       |
| 14.3. Transport hazard c          | lass(es)   |                                   | <u>.</u>                          |                                      |
| Not applicable                    | Not applicable   | Not applicable                    | Not applicable                    | Not applicable                       |
| 14.4. Packing group               |  |                                   |                                   |                                      |
| Not applicable                    | Not applicable   | Not applicable                    | Not applicable                    | Not applicable                       |
| 14.5. Environmental haz           | ards   |                                   |                                   | ·                                    |
| Dangerous for the environment: No | Dangerous for the<br>environment: No<br>Marine pollutant: No | Dangerous for the environment: No | Dangerous for the environment: No | Dangerous for the<br>environment: No |
| No supplementary information      | n available  | 1                                 | 1                                 | 1                                    |

14.6. Special precautions for user

#### Overland transport No data available

Transport by sea

No data available

**Air transport** No data available

**Inland waterway transport** No data available

Rail transport No data available

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

#### **REACH Annex XVII (Restriction List)**

| EU restriction list (REACH Annex XVII) |   |  |  |
|--|---|--|--|
| Reference code                         | Applicable on   |  |  |
| 3(b)                                   | Naphthenic acids, bismuth salts ; Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene |  |  |

### **REACH Annex XIV (Authorisation List)**

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

#### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

#### **PIC Regulation (Prior Informed Consent)**

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

#### **POP Regulation (Persistent Organic Pollutants)**

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

: 0 %

#### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

#### VOC Directive (2004/42)

VOC content

#### **Explosives Precursors Regulation (2019/1148)**

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

#### **Drug Precursors Regulation (273/2004)**

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

#### 15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

A chemical safety assessment has been carried out

## **SECTION 16: Other information**

| Indication of changes |  |          |          |
|-----------------------|--|----------|----------|
| Section               | Changed item   | Change   | Comments |
|                       | Revision date  | Modified |          |
|                       | Flammability (solid, gas)  | Added    |          |
| 2.1                   | Adverse physicochemical, human health and environmental effects    | Added    |          |
| 2.1                   | Classification according to Regulation (EC)<br>No. 1272/2008 [CLP] | Added    |          |
| 2.2                   | EUH-statements   | Added    |          |
| 2.3                   | Other hazards not contributing to the classification               | Modified |          |
| 4.1                   | First-aid measures after skin contact                              | Modified |          |
| 4.1                   | First-aid measures after inhalation                                | Modified |          |
| 4.1                   | First-aid measures after ingestion                                 | Modified |          |
| 4.1                   | First-aid measures after eye contact                               | Modified |          |
| 5.1                   | Suitable extinguishing media                                       | Modified |          |
| 5.2                   | Hazardous decomposition products in case of fire                   | Added    |          |
| 5.3                   | Protection during firefighting                                     | Modified |          |
| 6.1                   | Protective equipment   | Modified |          |
| 6.1                   | Emergency procedures   | Modified |          |
| 6.2                   | Environmental precautions  | Modified |          |
| 6.3                   | Methods for cleaning up  | Modified |          |
| 6.3                   | Other information  | Modified |          |

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Indication of changes |  |          |          |
|-----------------------|--|----------|----------|
| Section               | Changed item                               | Change   | Comments |
| 6.3                   | For containment                            | Modified |          |
| 7.1                   | Hygiene measures                           | Modified |          |
| 7.1                   | Precautions for safe handling              | Modified |          |
| 7.2                   | Storage conditions                         | Modified |          |
| 8.2                   | Environmental exposure controls            | Modified |          |
| 8.2                   | Respiratory protection                     | Modified |          |
| 8.2                   | Hand protection                            | Modified |          |
| 8.2                   | Appropriate engineering controls           | Modified |          |
| 8.2                   | Eye protection                             | Modified |          |
| 8.2                   | Skin and body protection                   | Modified |          |
| 9.1                   | Melting point                              | Added    |          |
| 9.1                   | Viscosity, kinematic                       | Added    |          |
| 9.1                   | Density                                    | Added    |          |
| 9.1                   | Upper explosive limit (UEL)                | Added    |          |
| 9.1                   | Lower explosive limit (LEL)                | Added    |          |
| 9.1                   | Flash point                                | Modified |          |
| 11.1                  | Reason for no classification               | Added    |          |
| 12.1                  | Ecology - general                          | Modified |          |
| 13.1                  | Product/Packaging disposal recommendations | Added    |          |
| 15.1                  | REACH Annex XVII                           | Added    |          |
| 15.2                  | Chemical safety assessment                 | Added    |          |
| 16                    | Abbreviations and acronyms                 | Added    |          |
| 16                    | Data sources                               | Added    |          |
| 16                    | Other information                          | Added    |          |

| Abbreviations and acronyms: |   |  |
|-----------------------------|---|--|
| ADN                         | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |  |
| ADR                         | European Agreement concerning the International Carriage of Dangerous Goods by Road             |  |
| ATE                         | Acute Toxicity Estimate   |  |
| BCF                         | Bioconcentration factor   |  |
| BLV                         | Biological limit value  |  |
| BOD                         | Biochemical oxygen demand (BOD)   |  |
| COD                         | Chemical oxygen demand (COD)  |  |
| DMEL                        | Derived Minimal Effect level  |  |
| DNEL                        | Derived-No Effect Level   |  |
| EC-No.                      | European Community number   |  |
| EC50                        | Median effective concentration  |  |

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| Abbreviations and acronyms: |  |  |
|-----------------------------|--|--|
| EN                          | European Standard  |  |
| IARC                        | International Agency for Research on Cancer                                  |  |
| ΙΑΤΑ                        | International Air Transport Association                                      |  |
| IMDG                        | International Maritime Dangerous Goods                                       |  |
| LC50                        | Median lethal concentration  |  |
| LD50                        | Median lethal dose   |  |
| LOAEL                       | Lowest Observed Adverse Effect Level   |  |
| NOAEC                       | No-Observed Adverse Effect Concentration                                     |  |
| NOAEL                       | No-Observed Adverse Effect Level   |  |
| NOEC                        | No-Observed Effect Concentration   |  |
| OECD                        | Organisation for Economic Co-operation and Development                       |  |
| OEL                         | Occupational Exposure Limit  |  |
| РВТ                         | Persistent Bioaccumulative Toxic   |  |
| PNEC                        | Predicted No-Effect Concentration  |  |
| RID                         | Regulations concerning the International Carriage of Dangerous Goods by Rail |  |
| SDS                         | Safety Data Sheet  |  |
| STP                         | Sewage treatment plant   |  |
| ThOD                        | Theoretical oxygen demand (ThOD)   |  |
| TLM                         | Median Tolerance Limit   |  |
| VOC                         | Volatile Organic Compounds   |  |
| CAS-No.                     | Chemical Abstract Service number   |  |
| N.O.S.                      | Not Otherwise Specified  |  |
| vPvB                        | Very Persistent and Very Bioaccumulative                                     |  |
| ED                          | Endocrine disrupting properties  |  |

Data sources

Other information

 REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
 None.

| Full text of H- and EUH-statements: |  |  |
|-------------------------------------|--|--|
| EUH208                              | Contains Naphthenic acids, bismuth salts . May produce an allergic reaction. |  |
| EUH210                              | Safety data sheet available on request.                                      |  |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2                                |  |
| H317                                | May cause an allergic skin reaction.   |  |
| H319                                | Causes serious eye irritation.   |  |
| H361f                               | Suspected of damaging fertility.   |  |
| Repr. 2                             | Reproductive toxicity, Category 2  |  |
| Skin Sens. 1                        | Skin sensitisation, Category 1   |  |

Safety Data Sheet (SDS), EU

## Safety Data Sheet

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.