

SAFETY DATA SHEET

Page : 1 / 19

Revision nr : 6.0

Issue date : 26/10/2022

Supersedes : 13/03/2020

Vector 4

**MADE IN HOLLAND**

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

1.1. Product identifier

Product form : Mixture
Trade name : Vector 4
UFI : XSUJ-FTAS-PH6C-CXF8

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

1.2.1. Relevant identified uses

Intended for general public
Main use category : Consumer use, Industrial use, Professional use
Use of the substance/mixture : Brake Fluids

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Rymax Lubricants
Delweg 8
6902 PJ Zevenaar
The Netherlands
+31 (0) 316 740 856
info@rymax-lubricants.com
www.rymax-lubricants.com

1.4. Emergency telephone number

Emergency number : +31 (0) 316 740 856
This telephone number is available 24 hours per day, 7 days per week.

| Country | Official advisory body | Address | Emergency number |
|---------|-------------------------------------|---|---------------------|
| | National Poisons Information Centre | Delweg 8 6902 PJ Zevenaar The Netherlands | +31 (0) 316 740 856 |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Repr. 2 H361fd

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

2.2. Label elements

SAFETY DATA SHEET

Page : 2 / 19

Revision nr : 6.0

Issue date : 26/10/2022

Vector 4

Supersedes : 13/03/2020

**MADE IN HOLLAND**

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

Hazard pictograms (CLP) :



GHS08

Signal word :

Warning

Hazardous ingredients :

tris[2-[2-(2-methoxyethoxy)ethoxy]ethyl] orthoborate

Hazard statements (CLP) :

H361fd - Suspected of damaging fertility. Suspected of damaging the unborn child.

Precautionary statements (CLP) :

P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P201 - Obtain special instructions before use.
P280 - Wear protective gloves, protective clothing, eye protection, face protection.
P308+P313 - IF exposed or concerned: Get medical advice, medical attention.
P405 - Store locked up.
P501 - Dispose of contents and container to an approved waste disposal plant.

Extra phrases :

EUH208 - Contains Dihydro-3-(tetrapropenyl)furan-2,5-dione. May produce an allergic reaction.

2.3. Other hazards

Other hazards :

Results of PBT and vPvB assessment : Contains no PBT/vPvB substances \geq 0.1% assessed in accordance with REACH Annex XIII.

Component

Dihydro-3-(tetrapropenyl)furan-2,5-dione
(26544-38-7)This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, 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

| Substance name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--|--|------|---|
| tris[2-[2-(2-methoxyethoxy)ethoxy]ethyl] orthoborate | (CAS-No.) 30989-05-0 (EC-No.) 250-418-4 (REACH-no) 01-2119462824-33-0009 | < 50 | Repr. 2, H361fd |

SAFETY DATA SHEET

Page : 3 / 19

Revision nr : 6.0

Issue date : 26/10/2022

Vector 4

Supersedes : 13/03/2020

**MADE IN HOLLAND**

| | | | |
|---|---|-------|--|
| 2-(2-(2-butoxyethoxy)ethoxy)ethanol | (CAS-No.) 143-22-6 (EC-No.) 205-592-6 (EC Index) 603-183-00-0 (REACH-no) 01-2119475107-38-XXXX | < 20 | Eye Dam. 1, H318 |
| 2,2'-OXYBISETHANOL, DIETHYLENE GLYCOL | (CAS-No.) 111-46-6 (EC-No.) 203-872-2 (EC Index) 603-140-00-6 (REACH-no) 01-2119457857-21-xxxx / UK-06-5621547795-3-0015 | < 10 | Acute Tox. 4 (Oral), H302 |
| 2-(2-methoxyethoxy)ethanol substance with a Community workplace exposure limit | (CAS-No.) 111-77-3 (EC-No.) 203-906-6 (EC Index) 603-107-00-6 (REACH-no) 01-2119475100-52-xxxx/ UK-01-3871630072-8-0001 | < 3 | Repr. 1B, H360D |
| Dihydro-3-(tetrapropenyl)furan-2,5-dione | (CAS-No.) 26544-38-7 (EC-No.) 247-781-6 (REACH-no) 01-2119979080-37-XXXX | < 0,1 | Eye Irrit. 2, H319 Skin Sens. 1A, H317 Aquatic Chronic 4, H413 |

Specific concentration limits:

| Substance name | Product identifier | Specific concentration limits |
|-------------------------------------|--|---|
| 2-(2-(2-butoxyethoxy)ethoxy)ethanol | (CAS-No.) 143-22-6 (EC-No.) 205-592-6 (EC Index) 603-183-00-0 (REACH-no) 01-2119475107-38-XXXX | (20 ≤C < 30) Eye Irrit. 2, H319 (30 ≤C < 100) Eye Dam. 1, H318 |
| 2-(2-methoxyethoxy)ethanol | (CAS-No.) 111-77-3 (EC-No.) 203-906-6 (EC Index) 603-107-00-6 (REACH-no) 01-2119475100-52-xxxx/ UK-01-3871630072-8-0001 | (3 ≤C < 100) Repr. 1B, H360D |

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

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|-------------------|--|
| Additional advice | : First aider: Pay attention to self-protection!. Concerning personal protective equipment to use, see section 8. Never give anything by mouth to an unconscious person. In case of doubt or persistent symptoms, consult always a physician. Show this safety data sheet to the doctor in attendance. |
| Inhalation | : Remove casualty to fresh air and keep warm and at rest. In case of doubt or persistent symptoms, consult always a physician. |
| Skin contact | : Remove contaminated clothing and shoes. Gently wash with plenty of soap and water. In case of doubt or persistent symptoms, consult always a physician. |
| Eyes contact | : Rinse immediately carefully and thoroughly with eye-bath or water. Remove contact lenses, if present and easy to do. Continue rinsing. In case of doubt or persistent symptoms, consult always a physician. |
| Ingestion | : Rinse mouth thoroughly with water. Get medical advice/attention. |

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

| | |
|------------------|---|
| Inhalation | : Health injuries are not known or expected under normal use. |
| Skin contact | : May cause an allergic skin reaction. The following symptoms may occur: Redness. |
| Eyes contact | : May cause eye irritation. The following symptoms may occur: Redness. |
| Ingestion | : May cause gastrointestinal irritation, nausea, vomiting and diarrhoea. |
| Chronic symptoms | : Suspected of damaging fertility. Suspected of damaging the unborn child. |

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

Treat symptomatically.

SAFETY DATA SHEET

Page : 4 / 19

Revision nr : 6.0

Issue date : 26/10/2022

Vector 4

Supersedes : 13/03/2020



MADE IN HOLLAND

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : carbon dioxide (CO₂), powder, alcohol-resistant foam, water spray.

Unsuitable extinguishing media : Strong water jet.

5.2. Special hazards arising from the substance or mixture

Specific hazards : Not flammable. Heating will cause a rise in pressure with a risk of bursting.

Hazardous decomposition products in case of fire : Carbon oxides (CO, CO₂), BOx.

5.3. Advice for firefighters

Firefighting instructions : Evacuate area. Use water spray or fog for cooling exposed containers. Contain the extinguishing fluids by bunding. Prevent fire fighting water from entering the environment.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.

Other information : Do not allow run-off from fire-fighting to enter drains or water courses. Dispose of waste in accordance with environmental legislation.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

For non-emergency personnel : Evacuate unnecessary personnel. Keep upwind. Provide adequate ventilation. Do not breathe vapours. Avoid contact with skin, eyes and clothing. Wear recommended personal protective equipment. Concerning personal protective equipment to use, see section 8.

6.1.2. For emergency responders

For emergency responders : Ensure procedures and training for emergency decontamination and disposal are in place. Concerning personal protective equipment to use, see section 8.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Stop leak if safe to do so. Dam up the liquid spill. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Recover large spills by pumping (use an explosion proof or hand pump). Place in a suitable container for disposal in accordance with the waste regulations (see Section 13). This material and its container must be disposed of in a safe way, and as per local legislation.

6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see section 13.

SAFETY DATA SHEET

Page : 5 / 19

Revision nr : 6.0

Issue date : 26/10/2022

Vector 4

Supersedes : 13/03/2020

**MADE IN HOLLAND**

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Provide adequate ventilation. Do not breathe vapours. Avoid contact with skin, eyes and clothing. Use personal protective equipment as required. Concerning personal protective equipment to use, see section 8. Take any precaution to avoid mixing with Incompatible materials, Refer to Section 10 on Incompatible Materials. Ensure proper process control to avoid excess waste discharge (temperature, concentration, pH, time). Avoid release to the environment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
- Hygiene measures : Keep good industrial hygiene. 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 when using this product. Keep away from food, drink and animal feedingstuffs. Remove contaminated clothes. Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store locked up. Store in a dry, cool and well-ventilated place. Do not store near or with any of the incompatible materials listed in section 10. Bund storage facilities to prevent soil and water pollution in the event of spillage.
- Incompatible materials : Keep away from strong acids, strong bases and oxidizing agents.
- Heat and ignition sources : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Special rules on packaging : Tactile warning. Containers which are opened should be properly resealed and kept upright to prevent leakage. Keep container tight closed.
- Packaging materials : Keep only in the original container.

7.3. Specific end use(s)

brake fluids.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| 2,2' -OXYBISETHANOL, DIETHYLENE GLYCOL (111-46-6) | | |
|---|----------------------|-----------------------|
| Austria | MAK (OEL TWA) | 44 mg/m ³ |
| Austria | MAK (OEL TWA) [ppm] | 10 ppm |
| Austria | MAK (OEL STEL) | 176 mg/m ³ |
| Austria | MAK (OEL STEL) [ppm] | 40 ppm |
| Bulgaria | OEL TWA | 10 mg/m ³ |
| Croatia | GVI (OEL TWA) [1] | 101 mg/m ³ |
| Croatia | GVI (OEL TWA) [2] | 23 ppm |
| Denmark | OEL TWA [1] | 11 mg/m ³ |
| Denmark | OEL TWA [2] | 2,5 ppm |
| Estonia | OEL TWA | 45 mg/m ³ |
| Estonia | OEL TWA [ppm] | 10 ppm |
| Estonia | OEL STEL | 90 mg/m ³ |
| Estonia | OEL STEL [ppm] | 20 ppm |

SAFETY DATA SHEET

Page : 6 / 19

Revision nr : 6.0

Issue date : 26/10/2022

Vector 4

Supersedes : 13/03/2020



MADE IN HOLLAND

| 2,2' -OXYBISETHANOL, DIETHYLENE GLYCOL (111-46-6) | | |
|---|--|---|
| Germany | Occupational exposure limit value (mg/m ³) (TRGS900) | 44 mg/m ³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) |
| Germany | Occupational exposure limit value (ppm) (TRGS900) | 10 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) |
| Ireland | OEL TWA [1] | 100 mg/m ³ |
| Ireland | OEL TWA [2] | 23 ppm |
| Ireland | OEL STEL | 300 mg/m ³ (calculated) |
| Ireland | OEL STEL [ppm] | 69 ppm (calculated) |
| Latvia | OEL TWA | 10 mg/m ³ |
| Lithuania | IPRV (OEL TWA) | 45 mg/m ³ (2,2-Oxydiethanol) |
| Lithuania | IPRV (OEL TWA) [ppm] | 10 ppm (2,2-Oxydiethanol) |
| Lithuania | TPRV (OEL STEL) | 90 mg/m ³ (2,2-Oxydiethanol) |
| Lithuania | TPRV (OEL STEL) [ppm] | 20 ppm (2,2-Oxydiethanol) |
| Poland | NDS (OEL TWA) | 10 mg/m ³ (inhalable fraction) |
| Romania | OEL TWA | 500 mg/m ³ |
| Romania | OEL TWA [ppm] | 115 ppm |
| Romania | OEL STEL | 800 mg/m ³ |
| Romania | OEL STEL [ppm] | 184 ppm |
| Slovakia | NPHV (OEL TWA) [1] | 44 mg/m ³ |
| Slovakia | NPHV (OEL TWA) [2] | 10 ppm |
| Slovakia | NPHV (OEL C) | 90 mg/m ³ |
| Slovenia | OEL TWA | 44 mg/m ³ |
| Slovenia | OEL TWA [ppm] | 10 ppm |
| Slovenia | OEL STEL | 176 mg/m ³ |
| Slovenia | OEL STEL [ppm] | 40 ppm |
| Sweden | NGV (OEL TWA) | 45 mg/m ³ |
| Sweden | NGV (OEL TWA) [ppm] | 10 ppm |
| Sweden | KTV (OEL STEL) | 90 mg/m ³ |
| Sweden | KTV (OEL STEL) [ppm] | 20 ppm |
| United Kingdom | WEL TWA (OEL TWA) [1] | 101 mg/m ³ |
| United Kingdom | WEL TWA (OEL TWA) [2] | 23 ppm |
| United Kingdom | WEL STEL (OEL STEL) | 303 mg/m ³ (calculated) |
| United Kingdom | WEL STEL (OEL STEL) [ppm] | 69 ppm (calculated) |
| Switzerland | MAK (OEL TWA) [1] | 44 mg/m ³ (aerosol, vapour) |
| Switzerland | MAK (OEL TWA) [2] | 10 ppm (aerosol, vapour) |
| Switzerland | KZGW (OEL STEL) | 176 mg/m ³ (aerosol, vapour) |
| Switzerland | KZGW (OEL STEL) [ppm] | 40 ppm (aerosol, vapour) |
| Australia | OES TWA [1] | 100 mg/m ³ |

SAFETY DATA SHEET

Page : 7 / 19

Revision nr : 6.0

Issue date : 26/10/2022

Vector 4

Supersedes : 13/03/2020



MADE IN HOLLAND

| 2,2' -OXYBISETHANOL, DIETHYLENE GLYCOL (111-46-6) | | |
|---|--|---|
| Australia | OES TWA [2] | 23 ppm |
| 2-(2-methoxyethoxy)ethanol (111-77-3) | | |
| EU | IOEL TWA | 50,1 mg/m ³ |
| EU | IOEL TWA [ppm] | 10 ppm |
| EU | Remark | Possibility of significant uptake through the skin |
| Austria | MAK (OEL TWA) | 50,1 mg/m ³ |
| Austria | MAK (OEL TWA) [ppm] | 10 ppm |
| Belgium | OEL TWA | 50,1 mg/m ³ |
| Belgium | OEL TWA [ppm] | 10 ppm |
| Bulgaria | OEL TWA | 50,1 mg/m ³ |
| Bulgaria | OEL TWA [ppm] | 10 ppm |
| Croatia | GVI (OEL TWA) [1] | 50,1 mg/m ³ |
| Croatia | GVI (OEL TWA) [2] | 10 ppm |
| Cyprus | OEL TWA | 50,1 mg/m ³ |
| Cyprus | OEL TWA [ppm] | 10 ppm |
| Czech Republic | PEL (OEL TWA) | 50 mg/m ³ |
| Denmark | OEL TWA [1] | 50 mg/m ³ |
| Denmark | OEL TWA [2] | 10 ppm |
| Finland | HTP (OEL TWA) [1] | 50 mg/m ³ |
| Finland | HTP (OEL TWA) [2] | 10 ppm |
| France | VME (OEL TWA) | 50,1 mg/m ³ (indicative limit) |
| France | VME (OEL TWA) [ppm] | 10 ppm (indicative limit) |
| Germany | Occupational exposure limit value (mg/m ³) (TRGS900) | 50 mg/m ³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) |
| Germany | Occupational exposure limit value (ppm) (TRGS900) | 10 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) |
| Gibraltar | OEL TWA | 50,1 mg/m ³ |
| Gibraltar | OEL TWA [ppm] | 10 ppm |
| Greece | OEL TWA | 50,1 mg/m ³ |
| Greece | OEL TWA [ppm] | 10 ppm |
| Hungary | AK (OEL TWA) | 50,1 mg/m ³ |
| Ireland | OEL TWA [1] | 50,1 mg/m ³ |
| Ireland | OEL TWA [2] | 10 ppm |
| Ireland | OEL STEL | 150,3 mg/m ³ (calculated) |
| Ireland | OEL STEL [ppm] | 30 ppm (calculated) |
| Italy | OEL TWA | 50,1 mg/m ³ |
| Italy | OEL TWA [ppm] | 10 ppm |
| Latvia | OEL TWA | 50,1 mg/m ³ |
| Latvia | OEL TWA [ppm] | 10 ppm |

SAFETY DATA SHEET

Page : 8 / 19

Revision nr : 6.0

Issue date : 26/10/2022

Vector 4

Supersedes : 13/03/2020

**MADE IN HOLLAND**

| 2-(2-methoxyethoxy)ethanol (111-77-3) | | |
|---------------------------------------|--------------------------------|---|
| Lithuania | IPRV (OEL TWA) | 50,1 mg/m ³ |
| Lithuania | IPRV (OEL TWA) [ppm] | 10 ppm |
| Luxembourg | OEL TWA | 50,1 mg/m ³ |
| Luxembourg | OEL TWA [ppm] | 10 ppm |
| Malta | OEL TWA | 50,1 mg/m ³ |
| Malta | OEL TWA [ppm] | 10 ppm |
| Netherlands | TGG-8u (OEL TWA) | 45 mg/m ³ |
| Poland | NDS (OEL TWA) | 50 mg/m ³ |
| Portugal | OEL TWA | 50,1 mg/m ³ (indicative limit value) |
| Portugal | OEL TWA [ppm] | 10 ppm (indicative limit value) |
| Romania | OEL TWA | 50,1 mg/m ³ |
| Romania | OEL TWA [ppm] | 10 ppm |
| Slovakia | NPHV (OEL TWA) [1] | 50,1 mg/m ³ |
| Slovakia | NPHV (OEL TWA) [2] | 10 ppm |
| Slovenia | OEL TWA | 50,1 mg/m ³ |
| Slovenia | OEL TWA [ppm] | 10 ppm |
| Spain | VLA-ED (OEL TWA) [1] | 50,1 mg/m ³ (indicative limit value) |
| Spain | VLA-ED (OEL TWA) [2] | 10 ppm (indicative limit value) |
| Sweden | NGV (OEL TWA) | 50 mg/m ³ |
| Sweden | NGV (OEL TWA) [ppm] | 10 ppm |
| United Kingdom | WEL TWA (OEL TWA) [1] | 50,1 mg/m ³ |
| United Kingdom | WEL TWA (OEL TWA) [2] | 10 ppm |
| United Kingdom | WEL STEL (OEL STEL) | 150,3 mg/m ³ (calculated) |
| United Kingdom | WEL STEL (OEL STEL) [ppm] | 30 ppm (calculated) |
| Norway | Grenseverdi (OEL TWA) [1] | 50 mg/m ³ |
| Norway | Grenseverdi (OEL TWA) [2] | 10 ppm |
| Norway | Korttidsverdi (OEL STEL) | 75 mg/m ³ (value calculated) |
| Norway | Korttidsverdi (OEL STEL) [ppm] | 20 ppm (value calculated) |

Additional information : Personal air monitoring :. Room air monitoring. Recommended monitoring procedures

8.2. Exposure controls

Engineering measure(s) : Provide adequate ventilation. Organisational measures to prevent/limit releases, dispersion and exposure. See Section 7 for information on safe handling .

Personal protective equipment : The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

SAFETY DATA SHEET

Page : 9 / 19

Revision nr : 6.0

Issue date : 26/10/2022

Supersedes : 13/03/2020

Vector 4

**MADE IN HOLLAND**

| | |
|---------------------------------|--|
| Hand protection | : In case of repeated or prolonged exposure : Suitable material: Nitrile rubber. Thickness of the glove material: >0,3 mm. Breakthrough time : >8h. Wear chemically resistant gloves (tested to EN374) . The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. |
| Eye protection | : If there is a risk of liquid being splashed : Use suitable eye protection (EN166): goggles |
| Body protection | : Wear suitable protective clothing |
| Respiratory protection | : In case of insufficient ventilation, wear suitable respiratory equipment. Half-face mask (DIN EN 140). full face mask (DIN EN 136). Filter type: A (EN 14387). The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used. (EN 137) |
| Thermal hazard protection | : Not required for normal conditions of use. Use dedicated equipment. |
| Environmental exposure controls | : Avoid release to the environment. Comply with applicable Community environmental protection legislation. |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|--|
| Physical state | : Liquid |
| Appearance | : Liquid. |
| Colour | : Colourless to Amber. |
| Odour | : Characteristic. |
| Odour threshold | : No data available |
| pH | : 7 – 10,5 |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Melting / freezing point | : < -50 °C |
| Freezing point | : No data available |
| Initial boiling point and boiling range | : > 260 °C |
| Flash point | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Flammability | : Not applicable,liquid |
| Vapour pressure | : No data available |
| Vapour density | : No data available |
| Relative density | : 1,02 – 1,09 (20°C) |
| Density | : 1020 – 1090 kg/m ³ (20°C) |
| Solubility | : Water: No data available |
| Partition coefficient n-octanol/water | : No data available |
| Kinematic viscosity | : 15 mm ² /s (20 °C) |
| Dynamic viscosity | : No data available |
| Explosive properties | : Not applicable. The study does not need to be conducted because there are no chemical groups associated with explosive properties present in the molecule. |

SAFETY DATA SHEET

Page : 10 / 19

Revision nr : 6.0

Issue date : 26/10/2022

Supersedes : 13/03/2020

Vector 4

**MADE IN HOLLAND**

| | |
|--------------------------------|---|
| Oxidising properties | : Not applicable. The classification procedure needs not to be applied because there are no chemical groups present in the molecule which are associated with oxidising properties. |
| Explosive limits | : No data available |
| Particle size | : Not applicable |
| Particle size distribution | : Not applicable |
| Particle shape | : Not applicable |
| Particle aspect ratio | : Not applicable |
| Particle aggregation state | : Not applicable |
| Particle agglomeration state | : Not applicable |
| Particle specific surface area | : Not applicable |
| Particle dustiness | : Not applicable |

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

None under normal conditions. Reference to other sections 10.4 & 10.5.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. See Section 7 for information on safe handling.

10.5. Incompatible materials

Strong oxidizing agents. Strong acids. Strong bases. See Section 7 for information on safe handling.

10.6. Hazardous decomposition products

Reference to other sections 5.2.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified (Based on available data, the classification criteria are not met)

| 2,2' -OXYBISETHANOL, DIETHYLENE GLYCOL (111-46-6) | |
|--|-------------|
| LD50/oral/rat | 12565 mg/kg |
| LD50 oral | 1120 mg/kg |

SAFETY DATA SHEET

Page : 11 / 19

Revision nr : 6.0

Issue date : 26/10/2022

Vector 4

Supersedes : 13/03/2020

**MADE IN HOLLAND****2,2' -OXYBISETHANOL, DIETHYLENE GLYCOL (111-46-6)**

| | |
|------------------------|---|
| LD50/dermal/rabbit | 11890 mg/kg |
| LD50 dermal | 11890 mg/kg |
| LC50/inhalation/4h/rat | > 4600 mg/m ³ (Exposure time: 4 h) |

2-(2-methoxyethoxy)ethanol (111-77-3)

| | |
|------------------------------|-------------------------------------|
| LD50/oral/rat | 4 ml/kg |
| LD50 oral | 4 ml/kg |
| LD50/dermal/rabbit | 9404 mg/kg |
| LD50 dermal | 9404 mg/kg |
| LC50/inhalation/4h/rat (ppm) | LC0 (6 hours) = 1,2 mg/l (OECD 403) |

2-(2-(2-butoxyethoxy)ethoxy)ethanol (143-22-6)

| | |
|--------------------|------------|
| LD50/oral/rat | 5300 mg/kg |
| LD50/dermal/rabbit | 3540 mg/kg |

Dihydro-3-(tetrapropenyl)furan-2,5-dione (26544-38-7)

| | |
|------------------------|-------------------|
| LD50/oral/rat | 2550 mg/kg |
| LD50/dermal/rat | > 2000 mg/kg |
| LD50/dermal/rabbit | 6200 – 7500 mg/kg |
| LC50/inhalation/4h/rat | 5,3 mg/l |

tris[2-[2-(2-methoxyethoxy)ethoxy]ethyl] orthoborate (30989-05-0)

| | |
|-----------------|--------------|
| LD50/oral/rat | > 2000 mg/kg |
| LD50 oral | > 2000 mg/kg |
| LD50/dermal/rat | > 2000 mg/kg |
| LD50 dermal | > 2000 mg/kg |

| | |
|-----------------------------------|---|
| Skin corrosion/irritation | : Not classified (Based on available data, the classification criteria are not met) pH: 7 – 10,5 |
| Serious eye damage/irritation | : Not classified (Based on available data, the classification criteria are not met) pH: 7 – 10,5 |
| Respiratory or skin sensitisation | : Not classified (Based on available data, the classification criteria are not met) |
| Germ cell mutagenicity | : Not classified (Based on available data, the classification criteria are not met) |
| Carcinogenicity | : Not classified (Based on available data, the classification criteria are not met) |

2,2' -OXYBISETHANOL, DIETHYLENE GLYCOL (111-46-6)

| | |
|---|--------------------------------------|
| NOAEL, male, female, long term, oral, Rat | 1160 - 1210 mg/kg bw/day (108 weeks) |
|---|--------------------------------------|

| | |
|-----------------------|---|
| Reproductive toxicity | : Suspected of damaging fertility. Suspected of damaging the unborn child. |
| STOT-single exposure | : Not classified (Based on available data, the classification criteria are not met) |

2,2' -OXYBISETHANOL, DIETHYLENE GLYCOL (111-46-6)

| | |
|----------------------------|-----------------------------|
| NOAEL (dermal, rat/rabbit) | 3549 mg/kg bodyweight Mouse |
|----------------------------|-----------------------------|

| | |
|------------------------|---|
| STOT-repeated exposure | : Not classified (Based on available data, the classification criteria are not met) |
|------------------------|---|

2,2' -OXYBISETHANOL, DIETHYLENE GLYCOL (111-46-6)

| | |
|--|-------------------------|
| NOAEL, mammalian, long term, oral, Rat | 100 mg/kg bw (225 days) |
|--|-------------------------|

| | |
|-------------------|---|
| Aspiration hazard | : Not classified (Based on available data, the classification criteria are not met) |
|-------------------|---|

SAFETY DATA SHEET

Page : 12 / 19

Revision nr : 6.0

Issue date : 26/10/2022

Vector 4

Supersedes : 13/03/2020

**MADE IN HOLLAND**

Vector 4 Brake Fluid

| | |
|---------------------|-------------------------------|
| Kinematic viscosity | 15 mm ² /s (20 °C) |
|---------------------|-------------------------------|

Other adverse effects : Suspected of damaging the unborn child.

Other information : Symptoms related to the physical, chemical and toxicological characteristics. For further information see section 4.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties : 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 %

11.2.2 Other information

Other adverse effects : Suspected of damaging the unborn child.

Other information : Symptoms related to the physical, chemical and toxicological characteristics, For further information see section 4

SECTION 12: Ecological information

12.1. Toxicity

Environmental properties : According to the criteria of the European classification and labelling system, the substance/the product has not to be labelled as "dangerous for the environment".

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

2,2' -OXYBISETHANOL, DIETHYLENE GLYCOL (111-46-6)

| | |
|---|--|
| LC50 - Fish [1] | 75200 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through]) |
| EC50 - Crustacea [1] | 84000 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| ErC50 algae | 2700 mg/l (Scenedesmus quadricauda) TGK 8d |
| NOEC chronic fish | 15380 mg/l EPA 600/4-90/027 |
| NOEC chronic crustacea | 8590 mg/l EPA 600/4-90/027 |
| NOEC chronic algae | 2700 mg/l OECD 201 |
| EC50, aquatic invertebrates, acute, daphnia | > 10000 mg/l (24 hours, DIN 38414-11) |
| EC20, aqua FW | > 1995 mg/l (30, ISO 8192) |

SAFETY DATA SHEET

Page : 13 / 19

Revision nr : 6.0

Issue date : 26/10/2022

Vector 4

Supersedes : 13/03/2020

**MADE IN HOLLAND**

| 2-(2-methoxyethoxy)ethanol (111-77-3) | |
|--|--|
| LC50 - Fish [1] | 7500 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static]) |
| LC50 - Fish [2] | 7500 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus) |
| EC50 - Crustacea [1] | > 500 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| EC50 72h - Algae [1] | > 500 mg/l (Species: Desmodesmus subspicatus) |
| 2-(2-(2-butoxyethoxy)ethoxy)ethanol (143-22-6) | |
| LC50 - Fish [1] | 2400 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) |
| LC50 - Fish [2] | 2400 mg/l (Exposure time: 96 h - Species: Pimephales promelas) |
| EC50 - Crustacea [1] | > 500 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| EC50 72h - Algae [1] | > 500 mg/l (Species: Desmodesmus subspicatus) |
| Dihydro-3-(tetrapropenyl)furan-2,5-dione (26544-38-7) | |
| LC50 - Fish [1] | > 100 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static-renewal]) |
| EC50 - Crustacea [1] | > 100 mg/l |
| EC50 - Other aquatic organisms [1] | 800 mg/l (3h) |
| EC50 72h - Algae [1] | 110 mg/l (Selenastrum capricornutum) |
| tris[2-[2-(2-methoxyethoxy)ethoxy]ethyl] orthoborate (30989-05-0) | |
| LC50 - Fish [1] | > 222,2 mg/l Oncorhynchus mykiss (Rainbow trout) |
| LC50 - Other aquatic organisms [1] | > 224,4 mg/l Pseudokirchneriella subcapitata |
| EC50 - Crustacea [1] | > 211,2 mg/l |
| EC50 96h - Algae [1] | 430 mg/l (Species: Pseudokirchneriella subcapitata) |

12.2. Persistence and degradability

| Vector 4 Brake Fluid | |
|--|--------------------------------------|
| Persistence and degradability | No additional information available. |
| 2,2' -OXYBISETHANOL, DIETHYLENE GLYCOL (111-46-6) | |
| Persistence and degradability | Readily biodegradable. |
| 2-(2-methoxyethoxy)ethanol (111-77-3) | |
| Persistence and degradability | Readily biodegradable. |
| Dihydro-3-(tetrapropenyl)furan-2,5-dione (26544-38-7) | |
| Persistence and degradability | Not readily biodegradable. |
| Biodegradation | 9,9 % (28d) (OECD301D) |
| tris[2-[2-(2-methoxyethoxy)ethoxy]ethyl] orthoborate (30989-05-0) | |
| Persistence and degradability | Readily biodegradable. |

SAFETY DATA SHEET

Page : 14 / 19

Revision nr : 6.0

Issue date : 26/10/2022

Supersedes : 13/03/2020

Vector 4

**MADE IN HOLLAND**

12.3. Bioaccumulative potential

| Vector 4 Brake Fluid | |
|---------------------------------------|--------------------------------------|
| Partition coefficient n-octanol/water | No data available |
| Bioaccumulative potential | No additional information available. |

2,2' -OXYBISETHANOL, DIETHYLENE GLYCOL (111-46-6)

| | |
|---------------------------------------|-------------------------------|
| BCF - Fish [1] | 100 – 180 |
| Bioconcentration factor (BCF) | 100 (3d, Leuciscus melatonus) |
| Partition coefficient n-octanol/water | -1,98 (at 25 °C) |
| Bioaccumulative potential | Bioaccumulation unlikely. |

2-(2-methoxyethoxy)ethanol (111-77-3)

| | |
|---------------------------------------|-----------------------------|
| Partition coefficient n-octanol/water | -0,47 (at 20 °C (at pH 6.7) |
| Bioaccumulative potential | Bioaccumulation unlikely. |

2-(2-(2-butoxyethoxy)ethoxy)ethanol (143-22-6)

| | |
|---------------------------------------|----------------------------------|
| BCF - Fish [1] | (no significant bioaccumulation) |
| Partition coefficient n-octanol/water | 0,51 (at 25 °C (at pH 7) |

Dihydro-3-(tetrapropenyl)furan-2,5-dione (26544-38-7)

| | |
|---|---------------------------------|
| Partition coefficient n-octanol/water | $\geq 4,39$ (at 22 °C (at pH 7) |
| Partition coefficient n-octanol/water (Log Kow) | $\geq 4,39$ |
| Bioaccumulative potential | Low potential. |

tris[2-[2-(2-methoxyethoxy)ethoxy]ethyl] orthoborate (30989-05-0)

| | |
|---------------------------------------|---|
| BCF - Fish [1] | (no bioaccumulation expected) |
| Partition coefficient n-octanol/water | -1,47 (Diethylenglycol; at pH 7) |
| Bioaccumulative potential | Log Pow -4,37 (QSAR). No bioaccumulation. |

12.4. Mobility in soil

| DOT4 XHD 260 Brake Fluid | |
|--------------------------|-------------------|
| Mobility in soil | No data available |

Dihydro-3-(tetrapropenyl)furan-2,5-dione (26544-38-7)

| | |
|--|------|
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 2,92 |
|--|------|

SAFETY DATA SHEET

Page : 15 / 19

Revision nr : 6.0

Issue date : 26/10/2022

Vector 4

Supersedes : 13/03/2020

**MADE IN HOLLAND**

12.5. Results of PBT and vPvB assessment

| DOT4 XHD 260 Brake Fluid | |
|---------------------------|---|
| Results of PBT assessment | Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII |

| Component | |
|---|---|
| Dihydro-3-(tetrapropenyl)furan-2,5-dione (26544-38-7) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |

12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties : 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 %

12.7. Other adverse effects

Other adverse effects : No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Avoid release to the environment. Dispose of empty containers and wastes safely. See Section 7 for information on safe handling. Refer to manufacturer/supplier for information on recovery/recycling. Recycling is preferred to disposal or incineration. If recycling is not possible, eliminate in accordance with local valid waste disposal regulations. Handle contaminated packages in the same way as the substance itself. Dispose of contaminated materials in accordance with current regulations.

European waste catalogue (2001/573/EC, 75/442/EEC, 91/689/EEC) : This material and its container must be disposed of as hazardous waste
Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities
brake fluids
150110* - packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport information

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

| ADR | IMDG | IATA | ADN | RID |
|--------------------------------------|----------------|----------------|----------------|----------------|
| 14.1. UN number | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.2. UN proper shipping name | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

| | |
|--------------------------|-------------------------|
| SAFETY DATA SHEET | Page : 16 / 19 |
| | Revision nr : 6.0 |
| Vector 4 | Issue date : 26/10/2022 |
| | Supersedes : 13/03/2020 |



MADE IN HOLLAND

| ADR | IMDG | IATA | ADN | RID |
|---|----------------|----------------|----------------|----------------|
| 14.3. Transport hazard class(es) | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 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 hazards | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| No supplementary information available | | | | |

14.6. Special precautions for user

Special precautions for user : No data available

- Overland transport

Not applicable

- Transport by sea

Not applicable

- Air transport

Not applicable

- Inland waterway transport

Not applicable

- Rail transport

Not applicable

14.7. Maritime transport in bulk according to IMO instruments

Code: IBC : No data available.

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Listed on REACH Annex XVII (Restriction Conditions). The following restrictions are applicable:

| | |
|--|--|
| 3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10 | DOT4 XHD 260 Brake Fluid ; 2,2' - OXYBISETHANOL, DIETHYLENE GLYCOL ; 2-(2-methoxyethoxy)ethanol ; 2-(2-(2-butoxyethoxy)ethoxy)ethanol ; Dihydro-3-(tetrapropenyl)furan-2,5-dione |
| 3(c) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1 | Dihydro-3-(tetrapropenyl)furan-2,5-dione |
| 54. 2-(2-methoxyethoxy)ethanol (DEGME) | 2-(2-methoxyethoxy)ethanol |

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

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

SAFETY DATA SHEET

Page : 17 / 19

Revision nr : 6.0

Issue date : 26/10/2022

Vector 4

Supersedes : 13/03/2020

**MADE IN HOLLAND**

15.1.2. National regulations

France

| No ICPE | Installations classées Désignation de la rubrique | Code Régime | Rayon |
|---------|--|-------------|-------|
| na | Not Applicable | na | na |

Germany

| | |
|--|--|
| Regulatory reference | : WGK 1, Slightly hazardous to water (Classification according to AwSV, Annex 1) |
| German storage class (LGK) | : LGK 12 - Non-combustible liquids |
| Hazardous Incident Ordinance (12. BImSchV) | : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance) |

Netherlands

| | |
|--|--|
| Waterbezwaarlijkheid | : B (5) - Weinig schadelijk voor in het water levende organismen |
| SZW-lijst van kankerverwekkende stoffen | : None of the components are listed |
| SZW-lijst van mutagene stoffen | : None of the components are listed |
| SZW-lijst van reprotoxische stoffen – Borstvoeding | : None of the components are listed |
| SZW-lijst van reprotoxische stoffen – Vruchtbaarheid | : None of the components are listed |
| SZW-lijst van reprotoxische stoffen – Ontwikkeling | : 2-(2-methoxyethoxy)ethanol is listed |

Denmark

| | |
|-----------------------------------|---|
| Recommendations Danish Regulation | : Young people below the age of 18 years are not allowed to use the product. Pregnant/breastfeeding women working with the product must not be in direct contact with the product. |
|-----------------------------------|---|

15.2. Chemical safety assessment

Not applicable

For the following substances of this mixture a chemical safety assessment has been carried out

2,2' -OXYBISETHANOL, DIETHYLENE GLYCOL
2-(2-methoxyethoxy)ethanol
2-(2-(2-butoxyethoxy)ethoxy)ethanol
tris[2-[2-(2-methoxyethoxy)ethoxy]ethyl] orthoborate

SECTION 16: Other information

Indication of changes:

| | | | |
|-----|---|----------|--|
| 2.1 | Classification according to Regulation (EC) No. 1272/2008 [CLP] | Modified | |
| 2.2 | Hazard statements (CLP) | Modified | |
| 2.3 | ED text | Added | |
| 3 | Composition/informatio | Modified | |

SAFETY DATA SHEET

Page : 18 / 19

Revision nr : 6.0

Issue date : 26/10/2022

Vector 4

Supersedes : 13/03/2020

**MADE IN HOLLAND**

| | | | |
|------|--|-------|--|
| | n on ingredients | | |
| 4.2 | Chronic symptoms | Added | |
| 7.2 | Special rules on packaging | Added | |
| 7.3 | Specific end use(s) | Added | |
| 9.2 | Information with regard to physical hazard classes | Added | |
| 9.2 | Other safety characteristics | Added | |
| 11.2 | Adverse health effects caused by endocrine disrupting properties | Added | |
| 12.6 | Adverse effects on the environment caused by endocrine disrupting properties | Added | |
| 14.7 | Maritime transport in bulk according to IMO instruments | Added | |
| 15.1 | German storage class (LGK) | Added | |

Abbreviations and acronyms:

| | |
|--|--|
| | ABM = Algemene beoordelingsmethodiek |
| | ADN = Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin |
| | ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route |
| | CLP = Classification, Labelling and Packaging Regulation according to 1272/2008/EC |
| | IATA = International Air Transport Association |
| | IMDG = International Maritime Dangerous Goods Code |
| | LEL = Lower Explosive Limit/Lower Explosion Limit |
| | UEL = Upper Explosion Limit/Upper Explosive Limit |
| | REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals |
| | BTT = Breakthrough time (maximum wearing time) |
| | DMEL = Derived Minimal Effect level |
| | DNEL = Derived No Effect Level |
| | EC50 = Median Effective Concentration |
| | EL50 = Median effective level |
| | ErC50 = EC50 in terms of reduction of growth rate |
| | ErL50 = EL50 in terms of reduction of growth rate |
| | EWC = European waste catalogue |
| | LC50 = Median lethal concentration |
| | LD50 = Median lethal dose |
| | LL50 = Median lethal level |
| | NA = Not applicable |
| | NOEC = No observed effect concentration |
| | NOEL: no-observed-effect level |
| | NOELR = No observed effect loading rate |
| | NOAEC = No observed adverse effect concentration |
| | NOAEL = No observed adverse effect level |
| | N.O.S. = Not Otherwise Specified |
| | OEL = Occupational Exposure Limits - Short Term Exposure Limits (STELs) |
| | PNEC = Predicted No Effect Concentration |
| | Quantitative structure-activity relationship (QSAR) |
| | STOT = Specific Target Organ Toxicity |

SAFETY DATA SHEET

Page : 19 / 19

Revision nr : 6.0

Issue date : 26/10/2022

Vector 4

Supersedes : 13/03/2020

**MADE IN HOLLAND**

| | |
|--|--|
| | TWA = time weighted average |
| | VOC = Volatile organic compounds |
| | WGK = Wassergefährdungsklasse (Water Hazard Class under German Federal Water Management Act) |

Sources of key data used to compile the datasheet : ECHA (European Chemicals Agency), supplier sds, Loli.

Training advice : Training staff on good practice. Manipulations are to be done only by qualified and authorised persons.

Other information : Classification - Assessment method: CLP Calculation method (Article 9).
Physicochemical hazard assessment: Information given is based on tests on the mixture itself.

Full text of H- and EUH-statements:

| | |
|---------------------|--|
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 |
| Aquatic Chronic 4 | Hazardous to the aquatic environment – Chronic Hazard, Category 4 |
| EUH208 | Contains Dihydro-3-(tetrapropenyl)furan-2,5-dione. May produce an allergic reaction. |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| H302 | Harmful if swallowed. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H360D | May damage the unborn child. |
| H361fd | Suspected of damaging fertility. Suspected of damaging the unborn child. |
| H413 | May cause long lasting harmful effects to aquatic life. |
| Repr. 1B | Reproductive toxicity, Category 1B |
| Repr. 2 | Reproductive toxicity, Category 2 |
| Skin Sens. 1A | Skin sensitisation, category 1A |

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

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

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

DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.