Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878

SAFETY DATA SHEET



HIRSIVAHA

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

1.1 Product identifier Product name

: HIRSIVAHA

1.2 Relevant identified uses of the substance or mixture and uses advised against **Product use** : Paint.

1.3 Details of the supplier of the safety data sheet

Teknos Group Oy, Takkatie 3, FI-00370 HELSINKI, FINLAND. Tel. +358 9 506 091. e-mail address of person : Prod-safe@teknos.com responsible for this SDS

National contact

Teknos Group Oy, Takkatie 3, FI-00370 HELSINKI, FINLAND. Tel. +358 9 506 091.

1.4 Emergency telephone number

Telephone number : In an emergency, call 112

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture Product definition : Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS] Not classified.

The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended. See Section 11 for more detailed information on health effects and symptoms.

| 2.2 Label elements | | |
|---|---|--|
| Signal word | 1 | No signal word. |
| Hazard statements | : | No known significant effects or critical hazards. |
| Precautionary statements | | |
| Prevention | 1 | Not applicable. |
| Response | 1 | Not applicable. |
| Storage | 1 | Not applicable. |
| Disposal | : | Not applicable. |
| Supplemental label elements | : | Contains 1,2-benzisothiazol-3(2H)-one and reaction mass of: 5-chloro-2-methyl- 4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction. Safety data sheet available on request. Contains biocidal products for in-can preservation: BIT. Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist. |
| Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles | : | |
| Date of issue/Date of revision | | : 17/02/2025 Date of previous issue : 23/08/2022 Version : 5 1/18 |

SECTION 2: Hazards identification

2.3 Other hazards

Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII : This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

Other hazards which do : None known. not result in classification

SECTION 3: Composition/information on ingredients

| 3.2 Mixtures | : Mixture | | | | |
|---|---|--------|---|--|------|
| Product/ingredient name | Identifiers | % | Classification | Specific Conc. Limits, M-factors and ATEs | Туре |
| 1 7 ,2-benzisothiazol-3(2H)- one | EC: 220-120-9 CAS: 2634-33-5 Index: 613-088-00-6 | <0.036 | Acute Tox. 4, H302 Acute Tox. 2, H330 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 | ATE [Oral] = 450 mg/kg ATE [Inhalation (dusts and mists)] = 0.21 mg/l Skin Sens. 1, H317: C $\geq 0.036\%$ M [Acute] = 1 M [Chronic] = 1 | [1] |
| reaction mass of: 5-chloro- 2-methyl-4-isothiazolin- 3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol- 3-one [EC no. 220-239-6] (3:1) | EC: 911-418-6 CAS: 55965-84-9 Index: 613-167-00-5 | <0.001 | Acute Tox. 3, H301 Acute Tox. 2, H310 Acute Tox. 2, H330 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 EUH071 See Section 16 for | ATE [Oral] = 53 mg/ kg ATE [Dermal] = 50 mg/kg ATE [Inhalation (vapours)] = 0.5 mg/l Skin Corr. 1C, H314: C \geq 0.6% Eye Dam. 1, H318: C \geq 0.6% Eye Irrit. 2, H319: 0.06% \leq C < 0.6% Skin Sens. 1, H317: C \geq 0.0015% M [Acute] = 100 M [Chronic] = 100 | [1] |
| | | | the full text of the H statements declared above. | | |

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section. Contains: > 1 % TiO2

Туре

[1] Substance classified with a health or environmental hazard

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

4.1 Description of first aid measures

| Eye contact | Immediately flush eyes with plenty o eyelids. Check for and remove any occurs. | | 0 11 |
|---|--|--------------|-------------------------------------|
| Inhalation | : Remove victim to fresh air and keep Get medical attention if symptoms o | • | omfortable for breathing. |
| Date of issue/Date of revision HIRSIVAHA | : 17/02/2025 Date of previous issue | : 23/08/2022 | Version : 5 2/18 Label No :38891 |

| Skin contact | : Flush contaminated skin with plenty of water. Remove contaminated clothing and |
|-----------------------------|--|
| Okin contact | shoes. Get medical attention if symptoms occur. |
| Ingestion | : Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| Protection of first-aiders | : No action shall be taken involving any personal risk or without suitable training. |
| | ns and effects, both acute and delayed |
| Over-exposure signs/symp | <u>otoms</u> |
| Eye contact | : No specific data. |
| Inhalation | : No specific data. |
| Skin contact | : No specific data. |
| Ingestion | : No specific data. |
| 4.3 Indication of any immed | iate medical attention and special treatment needed |
| Notes to physician | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| Specific treatments | : No specific treatment |

Specific treatments : No specific treatment.

| SECTION 5: Firefighting measures | |
|----------------------------------|--|
|----------------------------------|--|

| 5.1 Extinguishing media | | |
|---|---|-------|
| Suitable extinguishing media | : Use an extinguishing agent suitable for the surrounding fire. | |
| Unsuitable extinguishing media | None known. | |
| 5.2 Special hazards arising f | m the substance or mixture | |
| Hazards from the substance or mixture | : In a fire or if heated, a pressure increase will occur and the container may burst. | |
| Hazardous combustion products | Decomposition products may include the following materials: carbon dioxide carbon monoxide | |
| 5.3 Advice for firefighters | | |
| Special protective actions for fire-fighters | Promptly isolate the scene by removing all persons from the vicinity of the inciden there is a fire. No action shall be taken involving any personal risk or without suitable training. | nt if |
| Special protective equipment for fire-fighters | : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. | or |

SECTION 6: Accidental release measures

| 6.1 Personal precautions, protective equipment and emergency procedures | | |
|---|--|--|
| For non-emergency personnel | : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. | |
| For emergency responders | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". | |

SECTION 6: Accidental release measures

| SECTION 6. ACCIDENTAL TELEASE INEASULES | | |
|---|---|--|
| 6.2 Environmental precautions | : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). | |
| 6.3 Methods and material | for containment and cleaning up | |
| Small spill | Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. | |
| Large spill | : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Dispose of via a licensed waste disposal contractor. Contain and collect spillage with non-combustible, absorbent material e. g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. | |
| 6.4 Reference to other sections | : See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information | |

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

| Protective measures | : Put on appropriate personal protective equipment (see Section 8). |
|--|---|
| Advice on general occupational hygiene | : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

| 7.3 Specific end use(s) | |
|--------------------------------------|------------------|
| Recommendations | : Not available. |
| Industrial sector specific solutions | : Not available. |
| Solutions | |

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

8.1 Control parameters

Occupational exposure limits

| Product/ingredient name | Exposure limit values Regulation on Limit Values - MAC (Austria, 4/2021) [5-Chlor- 2-methyl-2,3-dihydroisothiazol-3-on und 2-Methyl-2,3-di- hydroisothiazol-3-on (Gemisch im Verhältnis 3:1)] Skin sensitiser. TWA 8 hours: 0.05 mg/m ³ . | | |
|---|--|--|--|
| Feaction mass of: 5-chloro-2-methyl- 4-isothiazolin-3-one [EC no. 247-500-7] 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) | | | |
| No exposure limit value known. | | | |
| No exposure limit value known. | | | |
| Date of issue/Date of revision : 17/02/ | 5 Date of previous issue : 23/08/2022 Version : 5 4/18 | | |
| HIRSIVAHA | Label No :38891 | | |

SECTION 8. Exposure controls/personal protection

| SECTION 8: Exposure controls/p | |
|---|---|
| Propylene glycol | Ordinance on the protection of workers from exposure to hazardous chemicals at work, exposure limit values (Annex I) (Croatia, 12/2023) |
| | ELV 8 hours: 10 mg/m ³ . Form: only particles. ELV 8 hours: 474 mg/m ³ . Form: total vapour and particles. ELV 8 hours: 150 ppm. Form: total vapour and particles. |
| No exposure limit value known. | |
| ▼,2-benzisothiazol-3(2H)-one | DFG MAC-values list (Germany, 7/2023) Skin sensitiser. |
| No exposure limit value known. | |
| No exposure limit value known. | |
| No exposure limit value known. | |
| Propylene glycol | NAOSH (Ireland, 4/2024) Notes: Advisory Occupational Exposure Limit Values (OELVs) OELV 8 hours: 10 mg/m³. Form: particulate. OELV 8 hours: 470 mg/m³. Form: vapour and particulates. OELV 8 hours: 150 ppm. Form: vapour and particulates. |
| No exposure limit value known. | |
| Propylene glycol | Ministers Cabinet Regulations Nr.325 - AER (Latvia, 3/2024) TWA 8 hours: 7 mg/m³. |
| Propylene glycol | Lithuanian Hygiene Standard HN 23 (Lithuania, 1/2024) TWA 8 hours: 7 mg/m ³ . |
| No exposure limit value known. | |
| No exposure limit value known. | |
| No exposure limit value known. | |
| Propylene glycol | FOR-2011-12-06-1358 (Norway, 12/2022) TWA 8 hours: 79 mg/m³. TWA 8 hours: 25 ppm. |
| Propylene glycol | Regulation of the Minister of Family, Labor and Social Policy of June 12, 2018 on the maximum permissible concentrations and intensities of factors harmful to health in the work environment (Journal of Laws of 2018, item 1286) (Poland, 8/2023) TWA 8 hours: 100 mg/m ³ . Form: vapor and inhalable fraction. |
| No exposure limit value known. | |
| Peaction mass of: 5-chloro-2-methyl- 4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) | SUVA (Switzerland, 1/2024) Sensitiser. STEL 15 minutes: 0.4 mg/m ³ . Form: Inhalable fraction. TWA 8 hours: 0.2 mg/m ³ . Form: Inhalable fraction. |
| No exposure limit value known. | |

Biological exposure indices

: 17/02/2025 Date of previous issue

Version : 5 5/18 Label No :38891

| Product/ingredient | t name Exposure indices |
|--------------------------------------|--|
| No exposure indices known. | |
| Recommended monitoring procedures | : Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required. |
| DNELs/DMELs | • |
| Product/ingredient name | Result |

| SECTION 8: Exposure controls/personal protection | | | | | |
|---|---|--|--|--|--|
| 7,2-benzisothiazol-3(2H)-one | DNEL - General population - Long term - Dermal 0.345 mg/kg bw/day <u>Effects</u> : Systemic | | | | |
| | DNEL - Workers - Long term - Dermal 0.966 mg/kg bw/day <u>Effects</u> : Systemic | | | | |
| | DNEL - General population - Long term - Inhalation 1.2 mg/m ³ <u>Effects</u> : Systemic | | | | |
| | DNEL - Workers - Long term - Inhalation 6.81 mg/m³ <u>Effects</u> : Systemic | | | | |
| reaction mass of: 5-chloro-2-methyl- 4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) | DNEL - General population - Long term - Inhalation 0.02 mg/m³ <u>Effects</u> : Local | | | | |
| | DNEL - Workers - Long term - Inhalation 0.02 mg/m³ <u>Effects</u> : Local | | | | |
| | DNEL - General population - Short term - Inhalation 0.04 mg/m³ <u>Effects</u> : Local | | | | |
| | DNEL - Workers - Short term - Inhalation 0.04 mg/m³ <u>Effects</u> : Local | | | | |
| | DNEL - General population - Long term - Oral 0.09 mg/kg bw/day <u>Effects</u> : Systemic | | | | |
| | DNEL - General population - Short term - Oral 0.11 mg/kg bw/day <u>Effects</u> : Systemic | | | | |
| PNECs Not available. | | | | | |
| | | | | | |

8.2 Exposure controls

| Appropriate engineering controls | : Good general ventilation should be sufficient to control worker exposure to airborne contaminants. |
|----------------------------------|---|
| Individual protection meas | <u>ires</u> |
| Hygiene measures | : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. |
| Eye/face protection | : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields. |
| Skin protection | |

: 23/08/2022

SECTION 8: Exposure controls/personal protection

| Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. | | |
|---|--|--|
| endations : Wear suitable gloves tested to EN374. | | |
| (breakthrough time): Nitrile gloves. thickness > 0.3 mm | | |
| mended polyvinyl alcohol (PVA) gloves | | |
| protective equipment for the body should be selected based on the task ormed and the risks involved and should be approved by a specialist ndling this product. | | |
| te footwear and any additional skin protection measures should be ased on the task being performed and the risks involved and should be by a specialist before handling this product. | | |
| the hazard and potential for exposure, select a respirator that meets the e standard or certification. Respirators must be used according to a / protection program to ensure proper fitting, training, and other important f use. | | |
| (spray application): A P | | |
| from ventilation or work process equipment should be checked to ey comply with the requirements of environmental protection legislation. ases, fume scrubbers, filters or engineering modifications to the process t will be necessary to reduce emissions to acceptable levels. | | |
| | | |

SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

9.1 Information on basic physical and chemical properties

| Appearance | |
|--|------------------|
| Physical state | : Liquid. |
| Colour | : Various |
| Odour | : Slight |
| Odour threshold | : Not available. |
| Melting point/freezing point | : Not available. |
| Initial boiling point and boiling range | ÷ |
| | |

| | Ingredient name | °C | °F | Method |
|---|-----------------------|--------|-------|--------|
| | water | 100 | 212 | |
| | Propylene glycol | 188.2 | 370.8 | |
| F | lammability · Not ava | ilable | 1 | |

| Fiammability | · NOL AVAIIADIE. |
|---------------------------------|---|
| Lower and upper explosion limit | : Cower: 2.6% (propane-1,2-diol) Upper: 12.6% (propane-1,2-diol) |
| Flash point | : Closed cup: >100°C (>212°F) |

2

Auto-ignition temperature

| Ingredient name | °C | °F | Method |
|------------------|-----|-------|--------|
| Propylene glycol | 371 | 699.8 | |

| : Not avai : Not appl | | | | | | |
|--------------------------|--------------------------------|------------------|------------------------------|--|--|--------------------------|
| : Not avai | lable. | | | | | |
| | | | | | | |
| | | | | | | |
| : | | | | | | |
| : Not avai | lable. | | | | | |
| : 8 to 9 | | | | | | |
| : Not avai | lable. | | | | | |
| | : 8 to 9 : N ot avai | : Not available. | : 8 to 9 : Not available. | 8 to 9 Not available. | 8 to 9 Not available. | 8 to 9 Not available. |

SECTION 9: Physical and chemical properties

| Vapour pressure | : | | | | | |
|---|---|---------------|-------------------------|-------------------|--------------|-----------------------|
| | Vapour Pressure at 20°C | | Vapour pressure at 50°C | | | |
| Ingredient name | mm Hg | kPa | Method | mm Hg | kPa | Method |
| water | 17.5 | 2.3 | | | | |
| Propylene glycol | 0.15 | 0.02 | EU A.4 | | | |
| Relative density | : Not | available. | ł | ŀ | | · |
| Density | : 1 g/ | cm³ | | | | |
| Vapour density | : Not | available. | | | | |
| Particle characteristics | | | | | | |
| Median particle size | : Not | applicable. | | | | |
| 9.2 Other information | | | | | | |
| 9.2.1 Information with reg | | | classes | | | |
| Explosive properties | | available. | | | | |
| o mana se a s | | available. | | | | |
| 9.2.2 Other safety charact | teristics | | | | | |
| Not applicable. | | | | | | |
| SECTION 10: Stabi | lity and re | activity | , | | | |
| 10.1 Reactivity | : No spec | cific test da | ta related to reacti | vity available fo | r this produ | uct or its ingredient |
| 10.2 Chemical stability | : The pro | duct is stat | ble. | | | |
| 0.3 Possibility of nazardous reactions | : Under normal conditions of storage and use, hazardous reactions will not occur. | | | | | |

- **10.4 Conditions to avoid** : No specific data.
- 10.5 Incompatible materials : No specific data.
- **10.6 Hazardous decomposition products :** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

| 11.1 Information on bozard alas | and an defined in Regul | ation (EC) No 1272/2009 |
|----------------------------------|-------------------------|-------------------------|
| 11.1 Information on hazard class | ses as denned in Regul | alion (EC) NO 12/2/2000 |

Acute toxicity

Product/ingredient name

2-benzisothiazol-3(2H)-one

Result

Rat - Oral - LD50 1020 mg/kg

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

Rat - Oral - LD50

53 mg/kg <u>Toxic effects</u>: Behavioral - Somnolence (general depressed activity) Behavioral - Ataxia Lung, Thorax, or Respiration -Respiratory depression

Conclusion/Summary [Product] : Not available.

Acute toxicity estimates

| Product/ingredient name | Oral (mg/ kg) | | Inhalation (gases) (ppm) N/A N/A | Inhalation (vapours) (mg/l) N/A 0.5 | Inhalation (dusts and mists) (mg/l) 0.21 N/A |
|---|------------------|---|--|---|---|
| 2-benzisothiazol-3(2H)-one reaction mass of: 5-chloro-2-methyl-4-isothiazolin- 3-one [EC no. 247-500-7] and 2-methyl-2H- isothiazol-3-one [EC no. 220-239-6] (3:1) | | N/A 50 | | | |
| Skin corrosion/irritation | | | | | |
| Product/ingredient name | Result | | | | |
| 2-benzisothiazol-3(2H)-one | Human - S | Skin - Mild irr f treatment/ex oncentration a | <u>kposure</u> : 48 ho | ours | |
| reaction mass of: 5-chloro-2-methyl- 4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) | | Skin - Severe | i rritant pplied: 0.01 % | Ď | |
| Conclusion/Summary [Product] : Not availab | le. | | | | |
| Serious eye damage/eye irritation Not available. | | | | | |
| Conclusion/Summary [Product] : Not availab | le. | | | | |
| Respiratory corrosion/irritation Not available. | | | | | |
| Conclusion/Summary [Product] : Not availab | le. | | | | |
| Respiratory or skin sensitization Not available. | | | | | |
| Skin Conclusion/Summary [Product] : Not availab | le. | | | | |
| Respiratory Conclusion/Summary [Product] : Not availab | le. | | | | |
| <mark>Germ cell mutagenicity</mark> Not available. | | | | | |
| Conclusion/Summary [Product] : Not availab | le. | | | | |
| Carcinogenicity | | | | | |

Conclusion/Summary [Product] : Not available.

Reproductive toxicity

Not available.

| Conclusion/Summary [Pro | oduct] : Not available. |
|--------------------------------|--|
| Specific target organ toxicit | y (single exposure) |
| Not available. | |
| Specific target organ toxicit | y (repeated exposure) |
| Not available. | |
| Aspiration hazard | |
| Not available. | |
| nformation on likely routes | of exposure |
| Not available. | |
| Potential acute health effect | t <u>s</u> |
| Eye contact | : No known significant effects or critical hazards. |
| Inhalation | : No known significant effects or critical hazards. |
| Skin contact | : No known significant effects or critical hazards. |
| Ingestion | : No known significant effects or critical hazards. |
| Symptoms related to the ph | ysical, chemical and toxicological characteristics |
| Eye contact | : No specific data. |
| Inhalation | : No specific data. |
| Skin contact | : No specific data. |
| Ingestion | : No specific data. |
| Delayed and immediate effe | cts as well as chronic effects from short and long-term exposure |
| <u>Short term exposure</u> | |
| Potential immediate effects | : Not available. |
| Potential delayed effects | : Not available. |
| Long term exposure | |
| Potential immediate effects | : Not available. |
| Potential delayed effects | : Not available. |
| Potential chronic health effe | ects |
| Not available. | |
| Conclusion/Summary [Pro | oduct] : Not available. |
| General | : No known significant effects or critical hazards. |
| Carcinogenicity | : No known significant effects or critical hazards. |
| Mutagenicity | : No known significant effects or critical hazards. |
| Reproductive toxicity | : No known significant effects or critical hazards. |

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Not available.

Conclusion/Summary [Product] : The product does not meet the criteria to be considered as having endocrine disrupting properties according to the criteria set out in either Regulation (EC) No. 1907/2006 or Regulation (EC) No 1272/2008.

11.2.2 Other information

Not available.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name

2-benzisothiazol-3(2H)-one

Result

Acute - LC50 - Fresh water

OECD [Fish, Acute Toxicity Test] Fish - Trout - *Onorhynchus Mykiss* 1.9 mg/l [96 hours]

Acute - EC50

OECD 202 [Daphnia sp. Acute Immobilization Test and Reproduction Test] Daphnia - Daphnia - *Daphnia Magna* 3.7 mg/l [48 hours]

Acute - EC50 - Marine water

OECD 201 [Alga, Growth Inhibition Test] Algae - Algae - *Skeletonema Costatum* 0.36 mg/l [72 hours]

Acute - NOEC - Marine water

OECD 201 [Alga, Growth Inhibition Test] Algae - Algae - *Skeletonema Costatum* 0.15 mg/l [72 hours]

Conclusion/Summary [Product] : Not available.

12.2 Persistence and degradability

Product/ingredient name

2-benzisothiazol-3(2H)-one

Result EU 24% [28 days]

Conclusion/Summary [Product] : Not available.

| Product/ingredient name | Aquatic half-life | Photolysis | Biodegradability |
|------------------------------|-------------------|------------|------------------|
| 7,2-benzisothiazol-3(2H)-one | - | - | Inherent |

12.3 Bioaccumulative potential

| Product/ingredient name | LogPow | BCF | Potential |
|------------------------------|--------|-----|-----------|
| 7,2-benzisothiazol-3(2H)-one | - | 3.2 | Low |

12.4 Mobility in soil

Soil/water partition coefficient

| Product/ingredient name | logKoc | Кос |
|------------------------------|--------|--------|
| 7,2-benzisothiazol-3(2H)-one | 1.86 | 73.142 |

Results of PMT and vPvM assessment

| Product/ingredient name | PMT | Р | Μ | Т | vPvM | vP | vM |
|--|----------|----------|----------|----------|----------|----------|----------|
| 2-benzisothiazol-3(2H)-one reaction mass of: 5-chloro- 2-methyl-4-isothiazolin- 3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol- 3-one [EC no. 220-239-6] (3: 1) | No No |

Mobility

: Not available.

: The product does not meet the criteria to be considered as a PMT or vPvM.

12.5 Results of PBT and vPvB assessment

Date of issue/Date of revision HIRSIVAHA

Conclusion/Summary

: 17/02/2025 Date of previous issue

: 23/08/2022

SECTION 12: Ecological information

| Regulation (EC) No. 1907/20 | 06 [REAC | н] | | | | | |
|--|-----------|--------------|---------------|---------------|---|---------------|--------------|
| Product/ingredient name | PBT | Р | В | Т | vPvB | vP | vB |
| 2-benzisothiazol-3(2H)-one reaction mass of: 5-chloro- 2-methyl-4-isothiazolin- 3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol- 3-one [EC no. 220-239-6] (3: 1) | No No | No No | No No | No No | No No | No No | No No |
| Regulation (EC) No. 1272/20 | 08 [CLP] | | | | | | |
| Product/ingredient name | PBT | Р | В | т | vPvB | vP | vB |
| 2-benzisothiazol-3(2H)-one reaction mass of: 5-chloro- 2-methyl-4-isothiazolin- 3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol- 3-one [EC no. 220-239-6] (3: 1) | No No | No No | No No | No No | No No | No No | No No |
| Conclusion/Summary Regulation (EC) No. 1272/2 [CLP] | : 2008 | ₩he produc | t does not n | eet the crite | eria to be cons | idered as a | PBT or vPvB. |
| 2.6 Endocrine disrupting pro Not available. | operties | | | | | | |
| Conclusion/Summary [Pro | duct] : | disrupting p | properties ac | cording to t | eria to be cons he criteria set o No 1272/2008. | out in either | |

12.7 Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

| 13.1 Waste treatment method | ds |
|-----------------------------------|---|
| Product | |
| Methods of disposal | : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. |
| European waste catalogue (EWC) | : 080112, 200128 |
| Packaging | |
| Methods of disposal | : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. |
| Special precautions | : This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. |
| | |

SECTION 14: Transport information

| | ADR/RID | ADN | IMDG | IATA |
|------------------------------------|----------------|----------------|----------------|----------------|
| 14.1 UN number or ID number | Not regulated. | Not regulated. | Not regulated. | Not regulated. |
| 14.2 UN proper shipping name | - | - | - | - |
| 14.3 Transport hazard class(es) | - | - | - | - |
| 14.4 Packing group | - | - | - | - |
| 14.5 Environmental hazards | No. | No. | No. | No. |

: Not relevant/applicable due to nature of the product.

user

14.6 Special precautions for : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14/18

14.7 Maritime transport in bulk according to IMO instruments

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

| Annex XVII - Restrictions of | | ure, placing on the mar | ket and use of cer | <u>tain dangerous</u> |
|---|------------------|-------------------------|--------------------|-----------------------|
| substances, mixtures and a | <u>irticles</u> | | | |
| Labelling | : | | | |
| Other EU regulations | | | | |
| Industrial emissions (integrated pollution prevention and control) - Air | : Not listed | | | |
| Industrial emissions (integrated pollution prevention and control) - Water | : Not listed | | | |
| Explosive precursors | : Not applical | ble. | | |
| Ozone depleting substance | es (EU 2024/59 | 0) | | |
| Not listed. | | _ | | |
| Prior Informed Consent (P Not listed. | 'IC) (649/2012/E | <u>:U)</u> | | |
| Persistent Organic Polluta Not listed. | <u>ints</u> | | | |
| Seveso Directive | | | | |
| Date of issue/Date of revision | : 17/02/2025 | Date of previous issue | : 23/08/2022 | Version : 5 |
| HIRSIVAHA | | | | Label No :38891 |
| | | | | |

SECTION 15: Regulatory information

| | · | |
|---|--|------------------------|
| This product is not controlled | ler the Seveso Directive. | |
| National regulations | | |
| <u>Austria</u> | | |
| Limitation of the use of organic solvents | Permitted. | |
| <u>Belgium</u> | | |
| Czech Republic | | |
| Storage code | X. | |
| <u>Denmark</u> | | |
| Fire class | ₩-1 | |
| MAL-code | 20-1 | |
| Protection based on MAL | According to the regulations on work involving coded products, the stipulations apply to the use of personal protective equipment: | he following |
| | General: Gloves must be worn for all work that may result in soiling. A coveralls/protective clothing must be worn when soiling is so great that clothes do not adequately protect skin against contact with the product. shield must be worn in work involving spattering if a full mask is not required, other recommended use of eye protection is not required. | regular work A face |
| | n all spraying operations in which there is return spray, the following m respiratory protection and arm protectors/apron/coveralls/protective clo appropriate or as instructed. | |
| | MAL-code: 00-1 Application: When spraying in existing* spray booths, if the operator i spray zone. | is outside the |
| | Arm protectors must be worn. | |
| | During all spraying where atomisation occurs in cabins or spray booths operator is inside the spray zone and during spraying outside a closed or booth. | |
| | Full mask with combined filter, coveralls and hood must be worn. | |
| | Drying: Items for drying/drying ovens that are temporarily placed on surack trolleys, etc, must be equipped with a mechanical exhaust system fumes from wet items from passing through workers' inhalation zone. | |
| | Polishing: When polishing treated surfaces, a mask with dust filter mu When machine grinding, eye protection must be worn. Work gloves mu worn. | |
| | Caution The regulations contain other stipulations in addition to the ab | oove. |
| | See Regulations. | |
| List of undesirable substances | Not listed | |
| <u>Finland</u> France | | |
| Reinforced medical surveillance | Act of July 11, 1977 determining the list of activities which require reinformed nedical surveillance: not applicable | orced |
| <u>Germany</u> | | |
| Storage class (TRGS 510) | 10 | |
| Hazardous incident ordina | | |
| Date of issue/Date of revision | : 17/02/2025 Date of previous issue : 23/08/2022 Version | : 5 15/18 |
| | Laboration (Contraction) | .00004 |

SECTION 15: Regulatory information

This product is not controlled under the Germany Hazardous Incident Ordinance.

Hazard class for water : 1

Technical instruction on air quality control (TA Luft)

| Number [Class] | | Description | % |
|----------------------------------|---------------|--|---------------------|
| 5.2.1 5.2.5 5.2.5 [I] | | Total dust Organic substances Organic substances | 25.1 5.7 0.38 |
| ΑΟΧ | | ne product contains organically bound halogens and can contribute to the lue in waste water. | ne AOX |
| Italy | | | |
| D.Lgs. 152/06 | : No | ot determined. | |
| Netherlands | | | |
| Water Discharge Policy (ABM) | : B(| 4) Low hazard for aquatic organisms. Decontamination effort: B | |
| <u>Norway</u> | | | |
| <u>Sweden</u> | | | |
| Switzerland | | | |
| VOC content | : Ex | kempt. | |
| nternational regulations | | | |
| | tion Lis | st Schedules I, II & III Chemicals | |
| Not listed. | | | |
| Montreal Protocol | | | |
| Not listed. | | | |
| Stockholm Convention on | Persis | tent Organic Pollutants | |
| Not listed. | | u | |
| Rotterdam Convention on | Drior Ir | aformed Consent (PIC) | |
| Not listed. | | normed consent (Fio) | |
| | | | |
| JNECE Aarhus Protocol or | <u>1 POPs</u> | and Heavy Metals | |
| Not listed. | | | |
| 5.2 Chemical safety ssessment | | nis product contains substances for which Chemical Safety Assessment quired. | ts are stil |
| ECTION 16: Other | infor | mation | |
| Indicates information that | has cha | anged from previously issued version. | |
| obreviations and | | E = Acute Toxicity Estimate | |
| cronyms | | P = Classification, Labelling and Packaging Regulation [Regulation (E0) 72/2008] | C) No. |

| acronyms | |
|----------|---|
| | DMEL = Derived Minimal Effect Level |
| | DNEL = Derived No Effect Level |
| | EUH statement = CLP-specific Hazard statement |
| | N/A = Not available |
| | PBT = Persistent, Bioaccumulative and Toxic |
| | PNEC = Predicted No Effect Concentration |
| | RRN = REACH Registration Number |
| | SGG = Segregation Group |
| | vPvB = Very Persistent and Very Bioaccumulative |
| | |

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS] Not classified.

Full text of abbreviated H statements

SECTION 16: Other information

| H301 | Toxic if swallowed. |
|--------|---|
| H302 | Harmful if swallowed. |
| H310 | Fatal in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H330 | Fatal if inhaled. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| EUH071 | Corrosive to the respiratory tract. |
| | |

Full text of classifications [CLP/GHS]

| Cute Tox. 2 Acute Tox. 3 Acute Tox. 4 Aquatic Acute 1 Aquatic Chronic 1 Eye Dam. 1 Skin Corr. 1C Skin Irrit. 2 Skin Sens. 1A | ACUTE TOXICITY - Category 2 ACUTE TOXICITY - Category 3 ACUTE TOXICITY - Category 4 SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1 SKIN CORROSION/IRRITATION - Category 1C SKIN CORROSION/IRRITATION - Category 2 SKIN SENSITISATION - Category 1A | |
|--|---|--|
| Date of issue/ Date of revision | f : 17/02/2025 | |
| Date of previous issue | le : 23/08/2022 | |
| Version | : 5 | |
| | | |

Notice to reader

The information in this SDS is based on the present state of our knowledge and on current laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfil the demands set out in the local rules and legislation. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.