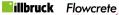
Safety Data Sheet according to Regulation (EC) 'No. 2015/830















SECTION 1: Identification of the Substance/Mixture and the Company/Undertaking

DECKSHIELD PU MEMBRANE Product Identifier 1.1

HARDENER B

Deckshield PU Membrane

Hardener B

Revision Date: 21/10/2021

Supersedes Date: 20/10/2021

VV00-0080-000M-FF24 **UFI Code:**

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

Product Name:

Component of multicomponent coatings - Professional use only. Coatings and paints, thinners, paint removers. Manual activities involving hand contact. Widespread use leading to inclusion into/onto article (indoor). Widespread use leading to inclusion into/ onto article (outdoor). For use by appropriately trained applicators. Roller application or brushing. Advised against: Home DIY applications. Advised against: Spray application, because of the additional hazards.

Details of the supplier of the safety data sheet 1.3

> Flowcrete Polska Sp. z o. o. Manufacturer:

UI. Marywilska 34 03-228 Warszawa

Polska

Tel: +48 22 879 8907 Fax: +48 22 879 8918 ehs.uk@flowcrete.com www.flowcrete.com.pl/

ehs.uk@flowcrete.com **Datasheet Produced by:**

CHEMTREC +1 703 5273887 (Outside US) 1.4 Emergency telephone number:

Giftinformasjonen: +47 22 59 13 00

SECTION 2: Hazard Identification

2.1 Classification of the substance or mixture

Classification according to Classification, Labeling & Packaging Regulation (EC) 1272/2008

HAZARD STATEMENTS

| Other EU extensions | EUH204 |
|--|--------|
| Skin Irritation, category 2 | H315 |
| Skin Sensitizer, category 1 | H317 |
| Eye Irritation, category 2 | H319 |
| Acute Toxicity, Inhalation, category 4 | H332 |
| Respiratory Sensitizer, category 1 | H334 |
| STOT, single exposure, category 3, RTI | H335 |
| Carcinogenicity, category 2 | H351 |
| STOT, repeated exposure, category 2 | H373 |

2.2 Label elements

Symbol(s) of Product





Signal Word

Danger

Named Chemicals on Label

4,4'-Methylenediphenyl diisocyanate, 2,2'-Methylenediphenyl diisocyanate, Diphenylmethane-2,4'-diisocyanate, Isocyanic acid, polymethylenepolyphenylene ester

HAZARD STATEMENTS

| Other EU extensions | EUH204 | Contains isocyanates. May produce an allergic reaction. |
|--|--------|--|
| Skin Irritation, category 2 | H315 | Causes skin irritation. |
| Skin Sensitizer, category 1 | H317 | May cause an allergic skin reaction. |
| Eye Irritation, category 2 | H319 | Causes serious eye irritation. |
| Acute Toxicity, Inhalation, category 4 | H332 | Harmful if inhaled. |
| Respiratory Sensitizer, category 1 | H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| STOT, single exposure, category 3, RTI | H335 | May cause respiratory irritation. |
| Carcinogenicity, category 2 | H351 | Suspected of causing cancer. |
| STOT, repeated exposure, category 2 | H373 | May cause damage to organs through prolonged or repeated exposure. |
| PRECAUTION PHRASES | | |
| | P260 | Do not breathe dust/fume/gas/mist/vapours/spray. |
| | P280 | Wear protective gloves/protective clothing/eve protection/ |

| P260 | Do not breathe dust/fume/gas/mist/vapours/spray. |
|--------------|---|
| P280 | Wear protective gloves/protective clothing/eye protection/ face protection. |
| P302+352 | IF ON SKIN: Wash with plenty of soap and water. |
| P304+340 | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. |
| P305+351+338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. |
| P308+313 | IF exposed or concerned: Get medical advice/attention. |

2.3 Other hazards

Container can be pressurized by carbon dioxide due to reaction with humid air and/or water.

Results of PBT and vPvB assessment:

The product does not meet the criteria for PBT/VPvB in accordance with Annex XIII.

SECTION 3: Composition/Information On Ingredients

3.2 **Mixtures**

| Date Printed: | 21/10/2021 |
|---------------|------------|
| Hazardous ir | naredients |

| Hazardous ingredients | | | | | |
|---|-------------|-----------|------------|--------------------------------------|---|
| Name According to EEC | EINEC No. | CAS-No. | <u>%</u> | <u>Classifications</u> | |
| Isocyanic acid, polymethylenepolyphen ylene ester | - (Polymer) | 9016-87-9 | 50 - <75 | H315-317-319-332-334- 335-351-373 | Acute Tox. 4 Inhalation, Carc. 2, Eye Irrit. 2, Resp. Sens. 1, Skin Irrit. 2, Skin Sens. 1, STOT RE 2, STOT SE 3 RTI |
| Diphenylmethane-2,4'- diisocyanate | 227-534-9 | 5873-54-1 | 10 - <25 | H315-317-319-332-334- 335-351-373 | Acute Tox. 4 Inhalation, Carc. 2, Eye Irrit. 2, Resp. Sens. 1, Skin Irrit. 2, Skin Sens. 1, STOT RE 2, STOT SE 3 RTI |
| 4,4'-Methylenediphenyl diisocyanate | 202-966-0 | 101-68-8 | 10 - <25 | H315-317-319-332-334- 335-351-373 | Acute Tox. 4 Inhalation, Carc. 2, Eye Irrit. 2, Resp. Sens. 1, Skin Irrit. 2, Skin Sens. 1, STOT RE 2, STOT SE 3 RTI |
| 2,2'-Methylenediphenyl diisocyanate | 219-799-4 | 2536-05-2 | 0.1 - <1.0 | H315-317-319-332-334- 335-351-373 | Acute Tox. 4 Inhalation, Carc. 2, Eye Irrit. 2, Resp. Sens. 1, Skin Irrit. 2, Skin Sens. 1, STOT RE 2, STOT SE 3 RTI |

| CAS-No. | M-Factors | REACH Reg No. |
|-----------|-----------|------------------|
| 9016-87-9 | | Not required |
| 5873-54-1 | | 01-2119480143-45 |
| 101-68-8 | | 01-2119457014-47 |
| 2536-05-2 | | 01-2119927323-43 |

Additional Information: The text for CLP Hazard Statements shown above (if any) is given in Section 16.

SECTION 4: First-aid Measures

4.1 Description of First Aid Measures

GENERAL NOTES: When symptoms persist or in all cases of doubt seek medical advice. Show this safety data sheet to the doctor in attendance.

AFTER INHALATION: Remove person to fresh air. If signs/symptoms continue, get medical attention.

AFTER SKIN CONTACT: Use a mild soap if available. Do not use solvent or thinners to clean skin. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician. AFTER EYE CONTACT: Consult a physician. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses.

AFTER INGESTION: Gently wipe or rinse the inside of the mouth with water. Never give anything by mouth to an unconscious person. Obtain medical attention. If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel.

Self protection of the first aider:

Date Printed: 21/10/2021

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2 Most important symptoms and effects, both acute and delayed

May cause damage to organs through prolonged or repeated exposure. Harmful by inhalation. Irritating to respiratory system. Limited evidence of a carcinogenic effect. Irritating to eyes and skin. May cause sensitization by inhalation and skin contact.

4.3 Indication of any immediate medical attention and special treatment needed

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

SECTION 5: Fire-fighting Measures

5.1 Extinguishing Media:

Carbon Dioxide, Dry Chemical, Foam, Water Fog

FOR SAFETY REASONS NOT TO BE USED: Do not use a solid water stream as it may scatter and spread fire. Alcohol, Alcohol based solutions, any other media not listed above.

5.2 Special hazards arising from the substance or mixture

Carbon monoxide, carbon dioxide, nitrogen oxide, cyanides, isocyanate vapours.

5.3 Advice for firefighters

Use water spray to cool unopened containers. Fire will produce dense black smoke containing hazardous combustion products (see section 10). In the event of fire, wear self-contained breathing apparatus. Hazardous decomposition products formed under fire conditions. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothing. For personal protection see section 8.2. Ensure adequate ventilation. Use personal protective equipment. Keep people away from and upwind of spill/leak.

6.2 Environmental precautions

Discharge into the environment must be avoided. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and material for containment and cleaning up

Prevent further leakage or spillage if safe to do so. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Refer to protective measures listed in sections 7 and 8. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

6.4 Reference to other sections

FURTHER INSTRUCTIONS: Please refer to EU disposal requirements or country specific disposal requirements for this material. See Section 13 for further information.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

People handling polyurethane products must have received special training according to guidelines from the National Occupational Health and Safety Board. Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this preparation is being used. Provide sufficient air exchange and/or exhaust in work rooms. Wear personal protective equipment. Do not breathe vapours or spray mist. Avoid contact with skin and eyes. Apply technical measures to comply with the occupational exposure limits (see section 8).

Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons. In the case of sensitisation to any of the ingredients, it is inadvisable to work with the product. Handle in accordance with good industrial hygiene and safety practice. Keep working clothes separately. Keep away from food, drink and animal feedingstuffs. Wash hands before breaks and at the end of workday. When using, do not eat, drink or smoke.

7.2 Conditions for safe storage, including any incompatibilities

CONDITIONS TO AVOID: Avoid temperatures above 30 °C, direct sunlight and contact with sources of heat. Do not freeze. **STORAGE CONDITIONS:** Keep out of the reach of children. Keep at temperatures between 10 and 30 °C. Store in original container. Keep container closed when not in use. Store in a dry, well ventilated place away from sources of heat, ignition

and direct sunlight. Keep away from food, drink and animal feeding stuffs.

7.3 Specific end use(s)

Component of multicomponent coatings. The mixing and application to be in accordance with the technical data sheets.

SECTION 8: Exposure Controls/Personal Protection

8.1 Control parameters

Ingredients with Occupational Exposure Limits (UK WELS)

| <u>Name</u> | CAS-No. | <u>LTEL ppm</u> | STEL ppm | STEL mg/m3 | LTEL mg/m3 |
|--|----------------|--------------------------------|----------|------------|------------|
| Isocyanic acid, polymethylenepolyphenyler ester | e9016-87-9 | | | 0.07 | 0.02 |
| Diphenylmethane-2,4'-diisocyanate | 5873-54-1 | | | 0.07 | 0.02 |
| 4,4'-Methylenediphenyl diisocyanate | 101-68-8 | | | 0.07 | 0.02 |
| 2,2'-Methylenediphenyl diisocyanate | 2536-05-2 | | | | |
| | | | | | |
| <u>Name</u> | <u>CAS-No.</u> | OEL Note | | | |
| Isocyanic acid, polymethylenepolyphenylene ester | 9016-87-9 | Isocyanates, all (as - NCO) | | | |
| Diphenylmethane-2,4'-diisocyanate | 5873-54-1 | Isocyanates, all (as - NCO) | | | |
| 4,4'-Methylenediphenyl diisocyanate | 101-68-8 | Isocyanates, all (as - NCO) | | | |

FURTHER ADVICE: Refer to the regulatory exposure limits for the workforce enforced in each country. Some components may not have been classified under the EU CLP Regulation.

8.2 Exposure controls

Personal Protection

2,2'-Methylenediphenyl diisocyanate

RESPIRATORY PROTECTION: No personal respiratory protective equipment normally required. In case of insufficient ventilation wear suitable respiratory equipment. Combination filter: A2-P2.

EYE PROTECTION: Safety glasses with side-shields conforming to EN 166.

2536-05-2

HAND PROTECTION: Isocyanates can harden gloves and increase the risk of their splitting. Protective gloves complying with EN 374: Viton®, Neoprene, Nitril rubber, Butyl rubber. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact). Be aware that in daily use the durability of a chemical resistant protective glove can be notably shorter than the break through time measured according to EN 374, due to the numerous outside influences (e.g. temperature). Long sleeved clothing. Remove and wash contaminated clothing before re-use.

OTHER PROTECTIVE EQUIPMENT: Ensure that eyewash stations and safety showers are close to the workstation location. **ENGINEERING CONTROLS:** At temperatures below 30°C, provide a good standard of general ventilation. At temperatures over 30°C - and always if sprayed - exhaust ventilation is required. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas.

Chemical Name:

Isocyanic acid, polymethylenepolyphenylene ester

EC No.:
- (Polymer)

CAS-No.:
9016-87-9

DNELs - Derived no effect level

| | | Wo | orkers | | Consumers | | | |
|------------|--------------|---------------|---------------|---------------------------------------|--------------|---------------|---------------|-----------------|
| Route of | Acute effect | Acute effects | Chronic | Chronic effects | Acute effect | Acute effects | Chronic | Chronic effects |
| Exposure | local | systemic | effects local | systemic | local | systemic | effects local | systemic |
| Oral | | Not | required | | | 20 mg/kg bw/ | | |
| | | | | | | day | | |
| Inhalation | 0.1 mg/m3 | 0.1 mg/m3 | 0.05 mg/m3 | 0.05 mg/m3 | 0.05 mg/m3 | 0.05 mg/m3 | 0.025 mg/m3 | 0.025 mg/m3 |
| Dermal | 27.8 mg/kg | | | · · · · · · · · · · · · · · · · · · · | 17.2 mg/cm2 | 25 mg/kg bw/ | 25 mg/kg bw/ | |
| | bw/day | | | | | day | day | |

PNEC's - Predicted no effect concentration

| Environmental protection target | PNEC |
|------------------------------------|----------|
| Fresh water | 1 mg/l |
| Fresh water sediments | |
| Marine water | 0.1 mg/l |
| Marine sediments | |
| Food chain | |
| Microorganisms in sewage treatment | 1 mg/l |
| soil (agricultural) | 1 mg/kg |
| Air | |

Chemical Name:

Diphenylmethane-2,4'-diisocyanate

EC No.: CAS-No.: 227-534-9 5873-54-1

DNELs - Derived no effect level

| | | Wo | rkers | | Consumers | | | |
|------------|---------------------------------------|-----------------------|------------------------|------------------------|-------------------------|------------------------|-------------------------|-------------------------|
| Route of | Acute effect | Acute effects | Chronic | Chronic effects | Acute effect | Acute effects | Chronic | Chronic effects |
| Exposure | local | systemic | effects local | systemic | local | systemic | effects local | systemic |
| Oral | | Not | required | | | 20 mg/kg bw/d | | <u> </u> |
| Inhalation | 0.1 mg/m ³ | 0.1 mg/m ³ | 0.05 mg/m ³ | 0.05 mg/m ³ | 0.05 mg/m ³ | 0.05 mg/m ³ | 0.025 mg/m ³ | 0.025 mg/m ³ |
| Dermal | 28.7 mg/cm ² 50 mg/kg bw/d | | | | 17.2 mg/cm ² | 25 mg/kg bw/d | | |

PNEC's - Predicted no effect concentration

| Environmental protection target | PNEC |
|------------------------------------|-----------|
| Fresh water | >1 mg/l |
| Fresh water sediments | |
| Marine water | >0.1 mg/l |
| Marine sediments | |
| Food chain | |
| Microorganisms in sewage treatment | >1 mg/l |
| soil (agricultural) | >1 mg/kg |
| Air | |

Chemical Name:

4,4'-Methylenediphenyl diisocyanate

EC No.: CAS-No.: 202-966-0 101-68-8

DNELs - Derived no effect level

| | | Wo | orkers | | Consumers | | | |
|------------|-------------------------|-----------------------|------------------------|------------------------|-------------------------|------------------------|-------------------------|-------------------------|
| Route of | Acute effect | Acute effects | Chronic | Chronic effects | Acute effect | Acute effects | Chronic | Chronic effects |
| Exposure | local | systemic | effects local | systemic | local | systemic | effects local | systemic |
| Oral | | Not | required | | | 20 mg/kg bw/d | | |
| Inhalation | 0.1 mg/m ³ | 0.1 mg/m ³ | 0.05 mg/m ³ | 0.05 mg/m ³ | 0.05 mg/m ³ | 0.05 mg/m ³ | 0.025 mg/m ³ | 0.025 mg/m ³ |
| Dermal | 28.7 mg/cm ² | 50 ma/ka bw/a | | | 17.2 mg/cm ² | 25 mg/kg bw/d | _ | - |

PNEC's - Predicted no effect concentration

| Environmental protection target | PNEC |
|------------------------------------|-----------|
| Fresh water | >1 mg/l |
| Fresh water sediments | |
| Marine water | >0.1 mg/l |
| Marine sediments | |
| Food chain | |
| Microorganisms in sewage treatment | >1 mg/l |
| soil (agricultural) | >1 mg/kg |
| Air | |

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance: Brown **Physical State**

Odor Earthy, Musty

Odor threshold Not determined pН

Not determined Melting point / freezing point (°C) Not determined

Boiling point/range (°C) 300 - N.D.

Flash Point, (°C) ca. 220

Evaporation rate Not determined

Flammability (solid, gas) Not determined

Upper/lower flammability or explosive

limits

999 - 0

Liquid

Vapour Pressure ca 19 hPa (20 °C) Vapour density Not determined

Relative density ca. 1.23

Solubility in / Miscibility with water Insoluble, Reacts with Water

Partition coefficient: n-octanol/water Not determined Auto-ignition temperature (°C) Not applicable Decomposition temperature (°C) Not determined

Viscosity ca 84 mPa.s (20 °C)

Not explosive **Explosive properties** Oxidising properties Not determined

Date Printed: 21/10/20219.2 Other information

VOC Content g/l: <10

Specific Gravity (g/cm3) 0.120

SECTION 10: Stability and Reactivity

10.1 Reactivity

No reactivity hazards known under recommended storage and use conditions.

10.2 Chemical stability

Stable under recommended storage conditions. Container can be pressurized by carbon dioxide due to reaction with humid air and/or water.

10.3 Possibility of hazardous reactions

Polymerises at about 200°C with evolution of CO2. Amines and alcohols cause exothermic reactions. Preparation reacts slowly with water resulting in evolution of CO2.

10.4 Conditions to avoid

Avoid temperatures above 30 °C, direct sunlight and contact with sources of heat. Do not freeze.

10.5 Incompatible materials

Keep away from oxidising agents, strongly acid or alkaline materials, as well as of amines, alcohols and water.

10.6 Hazardous decomposition products

In case of fire **hazardous decomposition products** may be produced such as: Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), dense black smoke. Preparation reacts slowly with water resulting in evolution of CO2. Evolution of CO2 in closed containers causes overpressure and produces a risk of bursting.

SECTION 11: Toxicological Information

11.1 Information on toxicological effects

Acute Toxicity:

Oral LD50: No information available on the product itself as the product is not tested.

Inhalation LC50: No information available on the product itself as the product is not tested.

Irritation: Irritating to eyes and skin. Vapour/spray mist may irritate respiratory system and lungs.

Corrosivity: Not corrosive.

Sensitization: May cause respiratory allergy and allergic contact eczema.

Repeated dose toxicity: No information available.

Carcinogenicity: Suspected of causing cancer by inhalation. This is of particular concern when in aerosol

form e.g. when sprayed.

Mutagenicity: No information available.

Toxicity for reproduction: No information available.

STOT-single exposure: Inhalation

STOT-repeated exposure: Harmful

Aspiration hazard: No information available.

If no information is available above under Acute Toxicity then the acute effects of this product have not been tested. Data on individual components are tabulated below:

| CAS-No. | Name According to EEC | Oral LD50 | Dermal LD50 | Vapor LC50 | Gas LC50 | Dust/Mist LC50 |
|-----------|--|---------------------------------------|---|----------------|----------|----------------|
| 9016-87-9 | Isocyanic acid, polymethylenepolyphenylene ester | >10000 mg/kg (rat, OECD TG 401) | >9400 mg/kg (rabbit, OECD TG 402) | | | 1.5 mg/l (ATE) |
| 5873-54-1 | Diphenylmethane-2,4'-diisocyanate | >2000 mg/kg (rat) | >9400 mg/kg (rabbit, OECD TG 402) | | | 1.5 mg/l (ATE) |
| 101-68-8 | 4,4'-Methylenediphenyl diisocyanate | >2000 mg/kg (rat) | >9400 mg/kg (rabbit, OECD TG 402) | | | 1.5 mg/l (ATE) |
| 2536-05-2 | 2,2'-Methylenediphenyl diisocyanate | > 15000 mg/kg (rat) | | 370 mg/m3, 4 h | 0.000 | 0.000 |

Additional Information:

12.6 Other adverse effects:

In the case of sensitisation to any of the ingredients, it is inadvisable to work with the product. Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons. Persons allergic to isocyanates, and particularly those suffering from asthma or other respiratory conditions, should not work with isocyanates. Isocyanates may cause acute irritation and/or sensitisation of the respiratory system leading to tightness of the chest, wheeziness and an asthmatic condition.

SECTION 12: Ecological Information

12.1 Toxicity:

| | EC50 48hr (Daphnia): | No information available on the product itself as the product is not tested. |
|------|-------------------------------------|--|
| | IC50 72hr (Algae): | No information available on the product itself as the product is not tested. |
| | LC50 96hr (fish): | No information available on the product itself as the product is not tested. |
| 12.2 | Persistence and degradability: | No information available on the product itself as the product is not tested. |
| 12.3 | Bioaccumulative potential: | No information available on the product itself as the product is not tested. |
| 12.4 | Mobility in soil: | No information available on the product itself as the product is not tested. |
| 12.5 | Results of PBT and vPvB assessment: | The product does not meet the criteria for PBT/VPvB in accordance with Annex XIII. |

No information available on the product itself as the product is not tested.

| CAS-No. | Name According to EEC | EC50 48hr | IC50 72hr | LC50 96hr |
|-----------|--|-------------------------------|---------------------|--------------------------------------|
| 9016-87-9 | Isocyanic acid, polymethylenepolyphenylene ester | >1000 mg/l (24 h) OECD 202 | >1640 mg/l OECD 201 | >1000 mg/l (Danio rerio) OECD 203 |

>1000 mg/l (danio rerio) >1000 mg/l OECD 202 >1640 mg/l OECD 201 5873-54-1 Diphenylmethane-2,4'-diisocyanate OECD 203 > 1000 mg/l (24h) > 1000 mg/l (danio rerio) > 1640 mg/I OECD 201 101-68-8 4,4'-Methylenediphenyl diisocyanate **OECD 202** OECD 203 2,2'-Methylenediphenyl diisocyanate No information No information 2536-05-2 No information

SECTION 13: Disposal Considerations

13.1 WASTE TREATMENT METHODS: Dispose of waste material at an approved hazardous waste treatment/disposal facility in accordance with applicable local state, and federal regulations. Do not dispose of waste with normal garbage, or to sewer systems. Contaminated packaging to be disposed of as product. Empty containers should be taken to an approved waste handling site for recycling or disposal. The product should not be allowed to enter drains, water courses or the soil.

European Waste Code: 080501* Packaging Waste Code: 150110*

SECTION 14: Transport Information

14.1 UN number Not applicable

14.2 UN proper shipping nameNOT DANGEROUS GOODS

Technical name

Not applicable

14.3 Transport hazard class(es)
Subsidiary shipping hazard

Not applicable

14.4 Packing group
Not applicable

14.5 Environmental hazards
Not applicable

14.6 Special precautions for user
EmS-No.:
Not applicable

14.7 Transport in bulk according to Annex II of

MARPOL 73/78 and the IBC code

Not applicable

SECTION 15: Regulatory Information

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

National Regulations:

Denmark Product Registration Number: Not available

Danish MAL Code: 00-3 (1993)

Danish MAL Code - Mixture: 00-3 (1993)

Sweden Product Registration Number: Not available

Norway Product Registration Number: 308907

Germany WGK Class: 1

Directive 2004/42/CE : <10

Covered by Directive 2012/18/EC (Seveso III): Not applicable

Restrictions to product or to substances according

to Annex XVII, Regulation (CE) 1907/2006: Not applicable

Annex XIV - Authorisation List:

CAS-No. Name According to EEC

Not Applicable

SVHC - Substances of very high concern (Candidate List):

CAS-No. Name According to EEC

Not Applicable

15.2 Chemical Safety Assessment:

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: Other Information

Text for CLP Hazard Statements shown in Section 3 describing each ingredient:

H317 May cause an allergic skin reaction. H319 Causes serious eye irritation.

Causes skin irritation.

H332 Harmful if inhaled.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation. H351 Suspected of causing cancer.

H373 May cause damage to organs through prolonged or repeated exposure.

Reasons for revision

Date Printed: 21/10/2021

H315

Substance and/or Product Properties Changed in Section(s):

01 - Identification

15 - Regulatory Information

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List of References:

This Safety Data Sheet was compiled with data and information from the following sources:

The Ariel Regulatory Database provided by the 3E Corporation in Copenhagen, Denmark; European Union Commission Regulation No. 1907/2006 on REACH as amended within Commission Regulation (EU) 2015/830;

European Union (EC) Regulation No. 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation) and subsequent technical progress adaptations (ATP); EU Council Decision 2000/532/EC and its Annex entitled "List of Wastes".

Acronym & Abbreviation Key:

CLP Classification, Labeling & Packaging Regulation

EC European Commission
EU European Union
US United States

CAS Chemical Abstract Service

EINECS European Inventory of Existing Chemical Substances

REACH Registration, Evaluation, Authorization of Chemicals Regulation

GHS Globally Harmonized System of Classification and Labeling of Chemicals

LTEL Long term exposure limit
STEL Short term exposure limit
OEL Occupational exposure limit

ppm Parts per million

mg/m3 Milligrams per cubic meter TLV Threshold Limit Value

ACGIH American Conference of Governmental Industrial Hygienists

OSHA Occupational Safety & Health Administration

PEL Permissible Exposure Limits
VOC Volatile organic compounds

g/l Grams per liter

mg/kg Milligrams per kilogram

N/A Not applicable LD50 Lethal dose at 50%

LC50 Lethal concentration at 50%

EC50 Half maximal effective concentration

IC50 Half maximal inhibitory concentration

PBT Persistent bioaccumulative toxic chemical

vPvB Very persistent and very bioaccumulative

EEC European Economic Community

ADR International Transport of Dangerous Goods by Road RID International Transport of Dangerous Goods by Rail

UN United Nations

IMDG International Maritime Dangerous Goods Code
IATA International Air Transport Association

MARPOL International Convention for the Prevention of Pollution From Ships, 1973 as

modified by the Protocol of 1978

IBC International Bulk Container RTI Respiratory Tract Irritation

Narcotic Effects

Date Printed: 21/10/2021

For further information, please contact: Technical Services Department

The information on this sheet corresponds to our present knowledge. It is not a specification and it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage, and use of the product. It is not applicable to unusual or non-standard uses of the product or where instructions and recommendations are not followed.