



Safety Data Sheet
according to Regulation (EC)
No. 2020/878

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

| | | | |
|--|---|-------------------------|------------|
| 1.1 Product Identifier | 83200908 | Revision Date: | 11/10/2023 |
| Product Name: | CARBOMASTIC 18 FC PART B / CARBOMASTIC 18 FC CARBO- KIT PART B | Supersedes Date: | 01/09/2023 |
| | | Version Number: | 6 |
| UFI Code: | F5F0-T0FM-H00P-YXF3 | | |
| Contain nanoform: | No | | |
| 1.2 Relevant identified uses of the substance or mixture and uses advised against | Hardener for 2 components coatings - Industrial use. Advised against: others than recommended | | |
| Product to be mixed with: | CARBOMASTIC 18 FC PART A / CARBOMASTIC 18 FC CARBO-KIT PART A | | |
| Mixing ratio by volume Part A/ Part B: | 1:1 | | |
| 1.3 Details of the supplier of the safety data sheet | | | |
| Manufacturer: | Carboline Norge AS Postboks 593 3412 Lierstranda Norway | | |
| | Regulatory / Technical Information: +47 32 85 73 00 +47 32 85 74 00 | | |
| Datasheet Produced by: | Tarka, Malgorzata - hms@carboline.com | | |
| 1.4 Emergency telephone number: | CHEMTREC +1 703 5273887 (Outside US) 112 (24/7) Croatia +3851 2348 342 (24/7 in Croatian and English) Iceland 112 (24/7) Malta 112 (24/7) | | |

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

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

HAZARD STATEMENTS

| | |
|-------------------|---------|
| Corr. Resp. | EUH071 |
| Flam. Liq. 3 | H226 |
| Skin Corr. 1B | H314-1B |
| Skin Sens. 1 | H317 |
| STOT RE 2 | H373 |
| Aquatic Chronic 2 | H411 |

2.2 Label elements

Symbol(s) of Product



Signal Word

Danger

Named Chemicals on Label

2,4,6-tris(dimethylaminomethyl)phenol, ethylbenzene, xylene, benzene-1,3-dimethanamine, 3-Aminomethyl-3,5,5-trimethylcyclohexylamine, quartz (silicon dioxide), 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane,, phenol, styrenated, phenol, methylstyrenated, Fatty acids, tall-oil, reaction products with bis-A, epichlorohydrin, glycidyl tolyl ether and TETA

HAZARD STATEMENTS

| | | |
|-------------------|---------|--|
| Corr. Resp. | EUH071 | Corrosive to the respiratory tract. |
| Flam. Liq. 3 | H226 | Flammable liquid and vapour. |
| Skin Corr. 1B | H314-1B | Causes severe skin burns and eye damage. |
| Skin Sens. 1 | H317 | May cause an allergic skin reaction. |
| STOT RE 2 | H373 | May cause damage to organs through prolonged or repeated exposure. |
| Aquatic Chronic 2 | H411 | Toxic to aquatic life with long lasting effects. |

PRECAUTION PHRASES

| | |
|--------------|---|
| P260 | Do not breathe dust/fume/gas/mist/vapours/spray. |
| P273 | Avoid release to the environment. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P303+361+353 | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. |
| 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. |
| P333+313 | If skin irritation or rash occurs: Get medical advice/attention. |

2.3 Other hazards

No Information

Results of PBT and vPvB assessment:

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

Endocrine disrupting properties - Toxicity

Based on the available data, the product does not contain substances identified as having endocrine disrupting properties according to Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 in concentration of 0,1% or higher.

Endocrine disrupting properties - Ecotoxicity

Based on the available data, the product does not contain substances identified as having endocrine disrupting properties according to Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 in concentration of 0,1% or higher.

SECTION 3: Composition/Information On Ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Hazardous ingredients

| <u>Name According to</u> <u>EC</u> <u>ECSC No.</u> <u>CAS-No.</u> <u>REACH Reg No.</u> <u>Index Number</u> | <u>%</u> | <u>Classifications</u> | SCL Value ATE Value M-Factor |
|---|----------|------------------------|--|
| talc 238-877-9 14807-96-6 - - | 10 - <25 | | SCL: - ATE: - M-Factor: (acute) M-Factor: (chronic) |

| | | | | |
|--|-----------|---|--|------------------------------|
| phenol, methylstyrenated 270-966-8 68512-30-1 01-2119555274-38 - | 10 - <25 | H315-317-412 Aquatic Chronic 3, Skin Irrit. 2, Skin Sens. 1 | SCL: ATE: M-Factor: (acute) M-Factor: (chronic) | - - - - |
| quartz (silicon dioxide binded within a mineral structure) 238-878-4 14808-60-7 - - | 2.5 - <10 | | SCL: ATE: M-Factor: (acute) M-Factor: (chronic) | - - - - |
| phenol, styrenated 262-975-0 61788-44-1 01-2119980970-27 - | 2.5 - <10 | H315-317-411 Aquatic Chronic 2, Skin Irrit. 2, Skin Sens. 1 | SCL: ATE: M-Factor: (acute) M-Factor: (chronic) | - - - - |

| | | | | |
|---|-----------|--|--|--|
| benzyl alcohol 202-859-9 100-51-6 01-2119492630-38 603-057-00-5 | 2.5 - <10 | H302-319-332 Acute Tox. 4 Inhalation, Acute Tox. 4 Oral, Eye Irrit. 2 | SCL: ATE: M-Factor: (acute) M-Factor: (chronic) | - 1 620 mg/ kg (oral); >2 000 mg/kg (dermal); 1,5 mg/L |
| xylene 215-535-7 1330-20-7 01-2119488216-32 601-022-00-9 | 2.5 - <10 | H226-304-312-315-319-332-335-373-412 Acute Tox. 4 Dermal, Acute Tox. 4 Inhalation, Aquatic Chronic 3, Asp. Tox. 1, Eye Irrit. 2, Flam. Liq. 3, Skin Irrit. 2, STOT RE 2, STOT SE 3 RTI | SCL: ATE: M-Factor: (acute) M-Factor: (chronic) | - - |
| Fatty acids, tall-oil, reaction products with bis-A, epichlorohydrin, glycidyl tolyl ether and TETA 606-078-8 186321-96-0 01-2119983521-35 - | 2.5 - <10 | H315-317-318-400-410 Aquatic Acute 1, Aquatic Chronic 1, Eye Dam. 1, Skin Irrit. 2, Skin Sens. 1 | SCL: ATE: M-Factor: (acute) M-Factor: (chronic) | - - |

| | | | | |
|---|----------------------|---|---|-------------------|
| <p>4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, 500-101-4</p> <p>38294-64-3</p> <p>01-2119965165-33</p> <p>-</p> | <p>2.5 - <10</p> | <p>H314-317-412</p> <p>Aquatic Chronic 3, Skin Corr. 1B, Skin Sens. 1</p> | <p>SCL:</p> <p>-</p> <p>ATE:</p> <p>-</p> <p>M-Factor: (acute)</p> <p>M-Factor: (chronic)</p> | <p>-</p> <p>-</p> |
| <p>benzene-1,3-dimethanamine 216-032-5</p> <p>1477-55-0</p> <p>01-2119480150-50</p> <p>-</p> | <p>1.0 - <2.5</p> | <p>H302-314-317-332-412</p> <p>Acute Tox. 4 Inhalation, Acute Tox. 4 Oral, Aquatic Chronic 3, Corr. Resp., Skin Corr. 1B, Skin Sens. 1B</p> | <p>SCL:</p> <p>-</p> <p>ATE:</p> <p>-</p> <p>M-Factor: (acute)</p> <p>M-Factor: (chronic)</p> | <p>-</p> <p>-</p> |
| <p>quartz (silicon dioxide)</p> <p>-</p> <p>14808-60-7</p> <p>-</p> <p>-</p> | <p>1.0 - <2.5</p> | <p>H372</p> <p>STOT RE 1</p> | <p>SCL:</p> <p>-</p> <p>ATE:</p> <p>-</p> <p>M-Factor: (acute)</p> <p>M-Factor: (chronic)</p> | <p>-</p> <p>-</p> |

| | | | | |
|---|------------|--|--|--|
| Propan-2-ol 200-661-7 67-63-0 01-2119457558-25 603-117-00-0 | 1.0 - <2.5 | H225-319-336 Eye Irrit. 2, Flam. Liq. 2, STOT SE 3 NE | SCL: ATE: M-Factor: (acute) M-Factor: (chronic) | - 5840 mg/kg (oral); 12800 mg/kg (derm.); 10000 ppm 6h (inh.) |
| ethylbenzene 202-849-4 100-41-4 01-2119489370-35 601-023-00-4 | 1.0 - <2.5 | H225-304-332-373-412 Acute Tox. 4 Inhalation, Aquatic Chronic 3, Asp. Tox. 1, Flam. Liq. 2, STOT RE 2 | SCL: ATE: M-Factor: (acute) M-Factor: (chronic) | - - |
| Formaldehyde, polymer with N,N-dimethyl-1,3-propanediamine and phenol - 445498-00-0 - - | 1.0 - <2.5 | H302-400-410 Acute Tox. 4 Oral, Aquatic Acute 1, Aquatic Chronic 1 | SCL: ATE: M-Factor: (acute) M-Factor: (chronic) | - 300.03 mg/kg (oral) |

| | | | | |
|---|------------|--|--|---|
| 3-Aminomethyl-3,5,5-trimethylcyclohexylamine 220-666-8 2855-13-2 01-2119514687-32 - | 1.0 - <2.5 | H302-312-314-317-318 Acute Tox. 4 Dermal, Acute Tox. 4 Oral, Skin Corr. 1B, Eye Dam. 1, Skin Sens. 1A | SCL: ATE: M-Factor: (acute) M-Factor: (chronic) | H317 ≥ 0.001 % 1030 mg/kg (oral); >5.01 m/ L (inh.); >2000 mg/L (derm.) |
| 2,4,6-tris(dimethylaminomethyl) phenol 202-013-9 90-72-2 01-2119560597-27 603-069-00-0 | 1.0 - <2.5 | H302-314-318 Acute Tox. 4 Oral, Eye Dam. 1, Skin Corr. 1C | SCL: ATE: M-Factor: (acute) M-Factor: (chronic) | - 2 169 mg/kg (oral) |
| salicylic acid 200-712-3 69-72-7 01-2119486984-17 - | 0.1 - <1.0 | H302-318-361d Acute Tox. 4 Oral, Eye Dam. 1, Repr. 2 | SCL: ATE: M-Factor: (acute) M-Factor: (chronic) | - 891 mg/kg (oral); >2 000 kg/ kg (dermal) |

Remarks: CAS No. 68512-30-1 identified as EC No. 700-960-7 under REACH Registration

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: Show this safety data sheet to the doctor in attendance.

AFTER INHALATION: Move to fresh air. Give oxygen or artificial respiration if needed. When risk of unconsciousness,

place and transport the victim in secured recovery position. Provide fresh air, rest and warmth. Call a physician immediately.

AFTER SKIN CONTACT: Use a mild soap if available. Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Do not use solvent or thinners to clean skin.

AFTER EYE CONTACT: Immediate medical attention is required. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses.

AFTER INGESTION: Do not induce vomiting. Get immediate medical attention. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously: Keep head below hips to prevent aspiration of stomach vomit into lungs. Provide fresh air, rest and warmth.

Self protection of the first aider:

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

Causes burns. May cause sensitization by skin contact. Danger of serious damage to health by prolonged exposure. Causes serious eye damage.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

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

When symptoms persist or in all cases of doubt seek medical advice.

SECTION 5: Firefighting Measures

5.1 Extinguishing Media:

Carbon Dioxide, Dry Chemical, Foam

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

5.2 Special hazards arising from the substance or mixture

Heating or fire conditions liberates toxic gas. Flash back possible over considerable distance. As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion (see section 10). Vapours may form explosive mixtures with air. Solvent vapours are heavier than air and may spread along floors and ignite.

5.3 Advice for firefighters

Fire will produce dense black smoke containing hazardous combustion products (see section 10). In the event of fire, wear self-contained breathing apparatus. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Keep containers and surroundings cool with water spray.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Ensure adequate ventilation. Use personal protective equipment. Remove all sources of ignition.

6.1.2 For emergency responders

See Section 7, 8 and 10 for further information.

6.2 Environmental precautions

Do not allow material to contaminate ground water system. 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

Do not let product enter drains. 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). Clean with detergents. Avoid solvents.

6.4 Reference to other sections

Please refer to EU disposal requirements or country specific disposal requirements for this material. See Section 8 and 13 for further information.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. Electrical equipment should be protected to the appropriate standard. Preparation may charge electrostatically: always use earthing leads when transferring from one container to another. Use only in area provided with appropriate exhaust ventilation. Provide sufficient air exchange and/or exhaust in work rooms. To avoid ignition of vapours by static electricity discharge, all metal parts of the equipment must be grounded. Wear personal protective equipment. Open drum carefully as content may be under pressure. Do not breathe vapours or spray mist. Use only explosion-proof equipment. Persons with a history of 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. 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 heat, sparks, flames and other ignition sources.

STORAGE CONDITIONS: Store in original container. Keep locked up or in an area accessible only to qualified or authorised persons. Keep container closed. Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. Store in upright position only. Storage of flammable liquids. Store away from: oxidising materials, acids, and alkalis.

7.3 Specific end use(s)

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 (EU)

| <u>Name</u> | <u>CAS-No.</u> | <u>LTEL ppm</u> | <u>STEL ppm</u> | <u>STEL mg/m3</u> | <u>LTEL mg/m3</u> |
|---|----------------|-----------------|-----------------|-------------------|-------------------|
| talc | 14807-96-6 | | | | |
| phenol, methylstyrenated | 68512-30-1 | | | | |
| quartz (silicon dioxide binded within a mineral structure) | 14808-60-7 | | | | |
| phenol, styrenated | 61788-44-1 | | | | |
| benzyl alcohol | 100-51-6 | | | | |
| xylene | 1330-20-7 | 50 | 100 | 442 | 221 |
| Fatty acids, tall-oil, reaction products with bis-A, epichlorohydrin, glycidyl tolyl ether and TETA | 186321-96-0 | | | | |
| 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, | 38294-64-3 | | | | |
| benzene-1,3-dimethanamine | 1477-55-0 | | | | |
| quartz (silicon dioxide) | 14808-60-7 | | | | |
| Propan-2-ol | 67-63-0 | | | | |
| ethylbenzene | 100-41-4 | 100 | 200 | 884 | 442 |
| Formaldehyde, polymer with N,N-dimethyl-1,3-propanediamine and phenol | 445498-00-0 | | | | |
| 3-Aminomethyl-3,5,5-trimethylcyclohexylamine | 2855-13-2 | | | | |
| 2,4,6-tris(dimethylaminomethyl)phenol | 90-72-2 | | | | |
| salicylic acid | 69-72-7 | | | | |

| <u>Name</u> | <u>CAS-No.</u> | <u>OEL Note</u> |
|---|----------------|-----------------------------------|
| talc | 14807-96-6 | |
| phenol, methylstyrenated | 68512-30-1 | |
| quartz (silicon dioxide binded within a mineral structure) | 14808-60-7 | |
| phenol, styrenated | 61788-44-1 | |
| benzyl alcohol | 100-51-6 | |
| xylene | 1330-20-7 | Can be absorbed through the skin. |
| Fatty acids, tall-oil, reaction products with bis-A, epichlorohydrin, glycidyl tolyl ether and TETA | 186321-96-0 | |
| 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, | 38294-64-3 | |
| benzene-1,3-dimethanamine | 1477-55-0 | |
| quartz (silicon dioxide) | 14808-60-7 | |
| Propan-2-ol | 67-63-0 | |
| ethylbenzene | 100-41-4 | Can be absorbed through the skin. |
| Formaldehyde, polymer with N,N-dimethyl-1,3-propanediamine and phenol | 445498-00-0 | |
| 3-Aminomethyl-3,5,5-trimethylcyclohexylamine | 2855-13-2 | |
| 2,4,6-tris(dimethylaminomethyl)phenol | 90-72-2 | |
| salicylic acid | 69-72-7 | |

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. Annotations: Carc = Capable of causing cancer and/or heritable genetic damage, Sen = Capable of causing occupational asthma, Sk = Can be absorbed through the skin.

Chemical Name:

phenol, methylstyrenated

EC No.:

270-966-8

CAS-No.:

68512-30-1

DNELs - Derived no effect level

| Route of Exposure | Workers | | | | Consumers | | | |
|-------------------|--------------------|------------------------|-----------------------|--------------------------|--------------------|------------------------|-----------------------|--|
| | Acute effect local | Acute effects systemic | Chronic effects local | Chronic effects systemic | Acute effect local | Acute effects systemic | Chronic effects local | Chronic effects systemic |
| Oral | Not required | | | | | | | |
| Inhalation | | | | 1.4 mg/m ³ | | | | 0.2 mg/kg bw/day |
| Dermal | | | | 0.35 mg/kg bw/day | | | | 0.35 mg/m ³ 1.7 mg/kg bw/day |

PNEC's - Predicted no effect concentration

| | |
|------------------------------------|---------------|
| Environmental protection target | PNEC |
| Fresh water | 14 µg/L |
| Fresh water sediments | 1064 mg/kg dw |
| Marine water | 1.4 µg/L |
| Marine sediments | 106 mg/kg dw |
| Food chain | |
| Microorganisms in sewage treatment | |
| soil (agricultural) | 212 mg/kg dw |
| Air | |

Chemical Name:

phenol, styrenated

EC No.:

262-975-0

CAS-No.:

61788-44-1

DNELs - Derived no effect level

| Route of Exposure | Workers | | | | Consumers | | | |
|-------------------|--------------------|------------------------|-----------------------|--------------------------|--------------------|------------------------|-----------------------|--------------------------|
| | Acute effect local | Acute effects systemic | Chronic effects local | Chronic effects systemic | Acute effect local | Acute effects systemic | Chronic effects local | Chronic effects systemic |
| Oral | Not required | | | | | | | |
| Inhalation | | | | 1.21 mg/m ³ | | | | |
| Dermal | | | | 2.87 mg/kg bw/day | | | | |

PNEC's - Predicted no effect concentration

| | |
|------------------------------------|----------------|
| Environmental protection target | PNEC |
| Fresh water | 11,5 µg/L |
| Fresh water sediments | 1.564 mg/kg dw |
| Marine water | 1.15 µg/L |
| Marine sediments | 0.156 mg/kg dw |
| Food chain | |
| Microorganisms in sewage treatment | |
| soil (agricultural) | 0.305 mg/kg dw |
| Air | |

Chemical Name:

benzyl alcohol

EC No.:

202-859-9

CAS-No.:

100-51-6

DNELs - Derived no effect level

| Route of Exposure | Workers | | | | Consumers | | | |
|-------------------|--------------------|------------------------|-----------------------|--------------------------|--------------------|------------------------|-----------------------|--------------------------|
| | Acute effect local | Acute effects systemic | Chronic effects local | Chronic effects systemic | Acute effect local | Acute effects systemic | Chronic effects local | Chronic effects systemic |
| Oral | Not required | | | | | 20 mg/kg bw/day | 5 mg/kg bw/day | 4 mg/kg bw/day |
| Inhalation | | 110 mg/m ³ | | 22 mg/m ³ | | 27 mg/m ³ | | 5.4 mg/m ³ |
| Dermal | | 40 mg/kg bw/day | | 8 mg/kg bw/day | | 20 mg/kg bw/day | | 4 mg/kg bw/day |

PNEC's - Predicted no effect concentration

| | |
|------------------------------------|----------------|
| Environmental protection target | PNEC |
| Fresh water | 1 mg/L |
| Fresh water sediments | 5.27 mg/kg ww |
| Marine water | 0.1 mg/L |
| Marine sediments | 0.527 mg/kg ww |
| Food chain | |
| Microorganisms in sewage treatment | 39 mg/L |
| soil (agricultural) | 0.456 mg/kg ww |
| Air | |

Chemical Name:

xylene

EC No.:

215-535-7

CAS-No.:

1330-20-7

DNELs - Derived no effect level

| Route of Exposure | Workers | | | | Consumers | | | |
|-------------------|-----------------------|------------------------|-----------------------|--------------------------|-----------------------|------------------------|-----------------------|--------------------------|
| | Acute effect local | Acute effects systemic | Chronic effects local | Chronic effects systemic | Acute effect local | Acute effects systemic | Chronic effects local | Chronic effects systemic |
| Oral | Not required | | | | 174 mg/m ³ | 174 mg/m ³ | | 1.6 mg/kg bw/day |
| Inhalation | 289 mg/m ³ | 289 mg/m ³ | 77 mg/m ³ | 77 mg/m ³ | | | | 14.8 mg/m ³ |
| Dermal | | | | 180 mg/kg bw/day | | | | 108 mg/kg bw/day |

PNEC's - Predicted no effect concentration

| | |
|------------------------------------|-------------|
| Environmental protection target | PNEC |
| Fresh water | 0.327 mg/L |
| Fresh water sediments | 12.46 mg/kg |
| Marine water | 0.327 mg/L |
| Marine sediments | 12.46 mg/kg |
| Food chain | |
| Microorganisms in sewage treatment | 6.58 mg/L |
| soil (agricultural) | 2.31 mg/kg |
| Air | |

Chemical Name:

Fatty acids, tall-oil, reaction products with bis-A, epichlorohydrin, glycidyl tolyl ether and TETA

EC No.:
606-078-8**CAS-No.:**
186321-96-0**DNELs - Derived no effect level**

| Route of Exposure | Workers | | | | Consumers | | | |
|-------------------|--------------------|------------------------|-----------------------|--------------------------|--------------------|------------------------|-----------------------|--------------------------|
| | Acute effect local | Acute effects systemic | Chronic effects local | Chronic effects systemic | Acute effect local | Acute effects systemic | Chronic effects local | Chronic effects systemic |
| Oral | Not required | | | | | | | 1.67 mg/kg bw/day |
| Inhalation | | | | 23.5 mg/m ³ | | | | 5.8 mg/m ³ |
| Dermal | | | | 3.33 mg/kg bw/day | | | | 1.67 mg/kg bw/day |

PNEC's - Predicted no effect concentration

| | |
|------------------------------------|---------------|
| Environmental protection target | PNEC |
| Fresh water | 0.186 ug/l |
| Fresh water sediments | 0.005 mg/kg |
| Marine water | 0.019 ug/l |
| Marine sediments | 0.005 mg/kg |
| Food chain | |
| Microorganisms in sewage treatment | 1.58 mg/l |
| soil (agricultural) | 0.00089 mg/kg |
| Air | |

Chemical Name:

4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane,

EC No.:
500-101-4**CAS-No.:**
38294-64-3**DNELs - Derived no effect level**

| Route of Exposure | Workers | | | | Consumers | | | |
|-------------------|--------------------|------------------------|-----------------------|--------------------------|--------------------|------------------------|-----------------------|--------------------------|
| | Acute effect local | Acute effects systemic | Chronic effects local | Chronic effects systemic | Acute effect local | Acute effects systemic | Chronic effects local | Chronic effects systemic |
| Oral | Not required | | | | | | | 0.05 mg/m ³ |
| Inhalation | | | | 0.493 mg/m ³ | | | | 0.074 mg/m ³ |
| Dermal | | | | 0.14 mg/kg | | | | 0.05 mg/m ³ |

PNEC's - Predicted no effect concentration

| | |
|------------------------------------|------------|
| Environmental protection target | PNEC |
| Fresh water | 0.011 mg/L |
| Fresh water sediments | 4320 mg/kg |
| Marine water | 0.001 mg/L |
| Marine sediments | 432 mg/kg |
| Food chain | |
| Microorganisms in sewage treatment | |
| soil (agricultural) | 864 mg/kg |
| Air | |

Chemical Name:

benzene-1,3-dimethanamine

EC No.:

216-032-5

CAS-No.:

1477-55-0

DNELs - Derived no effect level

| Route of Exposure | Workers | | | | Consumers | | | |
|-------------------|--------------------|------------------------|-----------------------|--------------------------|--------------------|------------------------|-----------------------|--------------------------|
| | Acute effect local | Acute effects systemic | Chronic effects local | Chronic effects systemic | Acute effect local | Acute effects systemic | Chronic effects local | Chronic effects systemic |
| Oral | Not required | | | | | | | |
| Inhalation | | | 0.2 mg/m ³ | 1.2 mg/m ³ | | | | |
| Dermal | | | | 0.33 mg/kg bw/day | | | | |

PNEC's - Predicted no effect concentration

| | |
|------------------------------------|-------------|
| Environmental protection target | PNEC |
| Fresh water | 0.094 mg/L |
| Fresh water sediments | 12.4 mg/kg |
| Marine water | 0.0094 mg/L |
| Marine sediments | 1.24 mg/kg |
| Food chain | |
| Microorganisms in sewage treatment | 10 mg/L |
| soil (agricultural) | 0.045 mg/kg |
| Air | |

Chemical Name:

Propan-2-ol

EC No.:

200-661-7

CAS-No.:

67-63-0

DNELs - Derived no effect level

| Route of Exposure | Workers | | | | Consumers | | | |
|-------------------|--------------------|------------------------|-----------------------|--------------------------|--------------------|------------------------|-----------------------|--------------------------|
| | Acute effect local | Acute effects systemic | Chronic effects local | Chronic effects systemic | Acute effect local | Acute effects systemic | Chronic effects local | Chronic effects systemic |
| Oral | Not required | | | | | | | 26 mg/kg bw/day |
| Inhalation | | | | 500 mg/m ³ | | | | 89 mg/m ³ |
| Dermal | | | | 888 mg/kg | | | | 319 mg/kg bw/day |

PNEC's - Predicted no effect concentration

| | |
|------------------------------------|------------|
| Environmental protection target | PNEC |
| Fresh water | 140.9 mg/l |
| Fresh water sediments | 552 mg/kg |
| Marine water | 140.9 mg/l |
| Marine sediments | 552 mg/kg |
| Food chain | |
| Microorganisms in sewage treatment | |
| soil (agricultural) | 28 mg/kg |
| Air | |

Chemical Name:

ethylbenzene

EC No.:

202-849-4

CAS-No.:

100-41-4

DNELs - Derived no effect level

| Route of Exposure | Workers | | | | Consumers | | | |
|-------------------|--------------------|------------------------|-----------------------|--------------------------|--------------------|------------------------|-----------------------|--------------------------|
| | Acute effect local | Acute effects systemic | Chronic effects local | Chronic effects systemic | Acute effect local | Acute effects systemic | Chronic effects local | Chronic effects systemic |
| Oral | Not required | | | | | | | 1.6 mg/kg bw/day |
| Inhalation | 293 mg/m3 | | | 77 mg/m3 | | | | 15 mg/m3 |
| Dermal | | | | 180 mg/kg bw/day | | | | |

PNEC's - Predicted no effect concentration

| | |
|------------------------------------|------------|
| Environmental protection target | PNEC |
| Fresh water | 0.1 mg/L |
| Fresh water sediments | 13.7 mg/kg |
| Marine water | 0.01 mg/L |
| Marine sediments | 1.37 mg/kg |
| Food chain | |
| Microorganisms in sewage treatment | |
| soil (agricultural) | 2.68 mg/kg |
| Air | |

Chemical Name:

3-Aminomethyl-3,5,5-trimethylcyclohexylamine

EC No.:

220-666-8

CAS-No.:

2855-13-2

DNELs - Derived no effect level

| Route of Exposure | Workers | | | | Consumers | | | |
|-------------------|--------------------|------------------------|-----------------------|--------------------------|--------------------|------------------------|-----------------------|--------------------------|
| | Acute effect local | Acute effects systemic | Chronic effects local | Chronic effects systemic | Acute effect local | Acute effects systemic | Chronic effects local | Chronic effects systemic |
| Oral | Not required | | | | | | | 0.526 mg/kg |
| Inhalation | 0.073 mg/m3 | | 0.073 mg/m3 | | | | | |
| Dermal | | | | | | | | |

PNEC's - Predicted no effect concentration

| | |
|------------------------------------|--------------------------|
| Environmental protection target | PNEC |
| Fresh water | 0.06 mg/l |
| Fresh water sediments | 5.784 mg/kg |
| Marine water | 0.006mg/l |
| Marine sediments | 0.578 mg/kg (dry weight) |
| Food chain | |
| Microorganisms in sewage treatment | |
| soil (agricultural) | 1.121 mg/kg (dry weight) |
| Air | |

Chemical Name:

2,4,6-tris(dimethylaminomethyl)phenol

EC No.:

202-013-9

CAS-No.:

90-72-2

DNELs - Derived no effect level

| Route of Exposure | Workers | | | | Consumers | | | |
|-------------------|--------------------|------------------------|-----------------------|--------------------------|--------------------|------------------------|-----------------------|--------------------------|
| | Acute effect local | Acute effects systemic | Chronic effects local | Chronic effects systemic | Acute effect local | Acute effects systemic | Chronic effects local | Chronic effects systemic |
| Oral | Not required | | | | | 0.13 mg/m3 | | 0.075 mg/kg |
| Inhalation | | 2.1 mg/m3 | 4.9 mg/m3 | 0.53 mg/m3 | | 0.075 mg/kg | | 0.13 mg/m3 |
| Dermal | | 0.6 mg/kg | | 0.150 mg/kg | | | | 0.075 mg/kg |

PNEC's - Predicted no effect concentration

| | |
|------------------------------------|-------------|
| Environmental protection target | PNEC |
| Fresh water | 0.046 mg/l |
| Fresh water sediments | |
| Marine water | 0.005 mg/l |
| Marine sediments | |
| Food chain | |
| Microorganisms in sewage treatment | 0.2 mg/l |
| soil (agricultural) | 0.025 mg/kg |
| Air | |

Chemical Name:

salicylic acid

EC No.:

200-712-3

CAS-No.:

69-72-7

DNELs - Derived no effect level

| Route of Exposure | Workers | | | | Consumers | | | |
|-------------------|--------------------|------------------------|-----------------------|--------------------------|--------------------|------------------------|-----------------------|--------------------------|
| | Acute effect local | Acute effects systemic | Chronic effects local | Chronic effects systemic | Acute effect local | Acute effects systemic | Chronic effects local | Chronic effects systemic |
| Oral | Not required | | | | | 4 mg/kg bw/day | 0.0002 mg/L | 1 mg/kg bw/day |
| Inhalation | | | 5 mg/m3 | 5 mg/m3 | | | | 4 mg/m3 |
| Dermal | | | | 2.3 mg/kg bw/day | | | | 1 mg/kg bw/day |

PNEC's - Predicted no effect concentration

| | |
|------------------------------------|----------------|
| Environmental protection target | PNEC |
| Fresh water | 0.20 mg/L |
| Fresh water sediments | 1.42 mg/kg dw |
| Marine water | 0.020 mg/L |
| Marine sediments | 0.142 mg/kg dw |
| Food chain | |
| Microorganisms in sewage treatment | 162 mg/L |
| soil (agricultural) | 0.166 mg/kg dw |
| Air | |

8.2 Exposure controls**Personal Protection**

RESPIRATORY PROTECTION: Wear respiratory protection with combination filter (dust and gas filter, EN 14387:2004 +A1:2008) during spraying operations: Gas filter type A2 (organic substances). Dust filter P3 (for fine dust). When working in confined or poorly ventilated spaces, a battery powered assisted air-fed mask must be used.

EYE PROTECTION: Face-shield. Safety glasses with side-shields conforming to EN166.

HAND PROTECTION: 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). Use chemical resistant gloves and lotions and barrier creams to prevent

drying of the skin. Protective gloves complying with EN 374: Nitrile rubber. Butyl rubber. Viton®. Recommended glove material for mixed product: Protective gloves complying with EN 374: Butyl rubber. Nitril rubber. Thickness $\geq 0,5$ mm; breakthrough time ≥ 480 min.

BODY PROTECTION: 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: Ensure adequate ventilation, especially in confined areas.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

| | |
|---|---------------------------|
| Colour | Off-white |
| Physical State | Liquid |
| Odor | Solvent |
| Odor threshold | Not determined |
| pH | Not determined |
| Melting point / freezing point (°C) | Not determined |
| Boiling point or initial boiling point and boiling range (°C) | 82 - 152 |
| Flash Point, (°C) | 26 |
| Evaporation rate | Not determined |
| Flammability (solid, gas) | Not determined |
| Lower and upper explosive limit | 1.0 - 12.0 |
| Vapour Pressure | Not determined |
| Relative vapour density | >1 (air = 1) |
| Density and/or relative density | 1.47 - 1.57 |
| Solubility in / Miscibility with water | Negligible |
| Partition coefficient: n-octanol/water | Not determined |
| Auto-ignition temperature (°C) | 425 |
| Decomposition temperature (°C) | Not determined |
| Kinematic viscosity | 90 - 100 KU |
| Particle characteristics | Not applicable to liquids |

9.2 Other information

VOC Content g/l: 110

Grams of VOC per liter of coating product as applied per ISO 11890-1 and/or ISO 11890-2.

Specific Gravity (g/cm³) 1.54

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.

10.3 Possibility of hazardous reactions

No reactivity hazards known under recommended storage and use conditions.

10.4 Conditions to avoid

Avoid heat, sparks, flames and other ignition sources.

10.5 Incompatible materials

Keep away from strong oxidising agents and strongly acid or alkaline materials.

10.6 Hazardous decomposition products

In case of fire or hot work operations, hazardous decomposition products may be formed such as: Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), aliphatic amines, aldehydes, cyanides.

SECTION 11: Toxicological information

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

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

Irritation: No information available.

Corrosivity: Corrosive to eyes and skin.

Sensitization: May cause an allergic skin reaction.

Repeated dose toxicity: No information available.

Carcinogenicity: No information available.

Mutagenicity: No information available.

Toxicity for reproduction: No information available.

STOT-single exposure: No information available.

STOT-repeated exposure: Central nervous system depression.

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:

| <u>CAS-No.</u> | <u>Name According to EEC</u> | <u>Oral LD50</u> | <u>Dermal LD50</u> | <u>Vapor LC50</u> | <u>Gas LC50</u> | <u>Dust/Mist LC50</u> |
|----------------|------------------------------|---------------------------|-----------------------------|-------------------|-------------------|-----------------------|
| 68512-30-1 | phenol, methylstyrenated | >2000 mg/kg (oral-rat) | >2000 mg/kg (dermal-rat) | No information | No information | No information |
| 61788-44-1 | phenol, styrenated | >2000 mg/kg (Oral-rat) | >2000 mg/kg (Dermal-rat) | No information | No information | No information |

| | | | | | | |
|-------------|--|-------------------------------------|---------------------------------------|---|---------------------------------|---|
| 100-51-6 | benzyl alcohol | 1620 mg/kg rat | >2000 mg/kg, rabbit | No information | No information | >4.178 mg/L (4h/ rat, mist) |
| 1330-20-7 | xylene | >2000 mg/kg (oral-rat) | 1100 mg/kg (ATE dermal- rabbit) | 11 mg/L (ATE inh/vapour) | 4500 ppmV (ATE inh - Gas) | 1.5 mg/L (ATE inh/dust/mist) |
| 1477-55-0 | benzene-1,3-dimethanamine | 980 mg/kg (oral, rat) | >2000 mg/kg (dermal, rabbit) | No information | No information | 1.34 mg/L |
| 67-63-0 | Propan-2-ol | 5840 mg/kg (oral, rat) | 12800 mg/kg (dermal, rabbit) | >25 mg/L (inhalation, vapor, rat) | No information | No information |
| 100-41-4 | ethylbenzene | 3500 mg/kg rat, oral | 5001 mg/kg, rabbit | 17.2 mg/L. rat, 4h | 10000 ppm | 1.5 mg/L |
| 445498-00-0 | Formaldehyde, polymer with N,N-dimethyl-1,3- propanediamine and phenol | >300 mg/kg (LD50 Oral, rat F) | No information | No information | No information | No information |
| 2855-13-2 | 3-Aminomethyl-3,5,5- trimethylcyclohexylamine | 1030 mg/kg (oral-rat) | 2000 mg/kg (dermal-rabbit) | No information | No information | >5.01 mg/L (inhal., dust/mist, rat) |
| 90-72-2 | 2,4,6-tris (dimethylaminomethyl)phenol | 2169 mg/kg (oral, rat) | No information | No information | No information | No information |
| 69-72-7 | salicylic acid | 891 mg/kg (oral-rat) | >2000 mg/kg (dermal-rat) | 900 mg/m3 (1 hr-inh-rat) | No information | No information |

Additional Information:

This product may contain Ethyl Benzene, which is listed by IARC as possibly carcinogenic to humans (Group 2B). This listing is based on inadequate evidence of carcinogenicity in humans and sufficient evidence in experimental animals. Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effect, such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Respiration of solvent vapour may cause dizziness. Corrosive - causes irreversible eye damage. This product may contain Quartz (silicon dioxide), which is listed by IARC as a known carcinogenic to humans (Group 1). This classification is relevant when exposed to Quartz (silicon dioxide) in dust or powder form only, including cured product that is subject to sanding, grinding, cutting, or other surface preparation activities. Chronic exposure causes drying effect on the skin and eczema. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. Corrosive to skin. Gas or vapour is harmful on prolonged exposure or in high concentrations. Irritant of eyes and mucous membranes. CNS depressant. Inhalation is the main hazard in industrial use. The solvent vapours can be harmful and cause headaches, nausea, and intoxication. Acts as a defatting agent on skin. Chronic exposure has been associated with various neurotoxic effects including permanent brain damage. Inhalation of vapour or mist can cause headache, nausea, irritation of nose, throat, and lungs.

11.2 Information on other hazards**Endocrine disrupting properties - Toxicity**

Based on the available data, the product does not contain substances identified as having endocrine disrupting properties according to Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 in concentration of 0,1% or higher.

SECTION 12: Ecological Information**12.1 Toxicity:**

| | |
|----------------------|----------------|
| EC50 48hr (Daphnia): | No information |
| IC50 72hr (Algae): | No information |
| LC50 96hr (fish): | No information |

12.2 Persistence and degradability: No information

12.3 Bioaccumulative potential: No information

12.4 Mobility in soil: No information

12.5 Results of PBT and vPvB assessment:

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

12.6 Endocrine disrupting properties**Endocrine disrupting properties - Ecotoxicity**

Based on the available data, the product does not contain substances identified as having endocrine disrupting properties according to Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 in concentration of 0,1% or higher.

12.7 Other adverse effects:

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

| <u>CAS-No.</u> | <u>Name According to EEC</u> | <u>EC50 48hr</u> | <u>IC50 72hr</u> | <u>LC50 96hr</u> |
|----------------|---|--|---|--|
| 68512-30-1 | phenol, methylstyrenated | 14 - 51 mg/L (daphnia) | 15 mg/L (algae) | 25.8 mg/L (fish) |
| 61788-44-1 | phenol, styrenated | 1-10 mg/L (EL50, daphnia OECD 202) | 3.14 mg/L (ErL50, algae, OECD 201) | 14.8 mg/L (LL50, OECD 203) |
| 100-51-6 | benzyl alcohol | 230 mg/L (Daphnia Magna) | 770 mg/L (EgC50, Selenastrum capricornutum) | 10 mg/L (Lepomis macrochirus) |
| 1330-20-7 | xylene | 1 - 5 mg/L (Daphnia magna) | 3 - 5 mg/L (Selenastrum sp.) | 2 - 11 mg/L (Roccus saxatilis), 8.2 mg/L (Salmo gairdneri), 13.5 mg/L (Lepomis macrochirus), 21.0 mg/L (Pimephales promelas) |
| 186321-96-0 | Fatty acids, tall-oil, reaction products with bis-A, epichlorohydrin, glycidyl tolyl ether and TETA | 0.705 mg/L (Daphnia magna) | 0.186 mg/L (Selenastrum capricornutum, ErC50) | 1.806 mg/L (Oncorhynchus mykiss) |
| 1477-55-0 | benzene-1,3-dimethanamine | 15.2 mg/L (Daphnia magna) | 32.1 mg/L (EC50, Selenastrum capricornutum) | 87.6 mg/L (Oryzias latipes) |
| 67-63-0 | Propan-2-ol | 9714 mg/L (Daphnia magna, 24h) | >100 mg/L (Scenedesmus subspicatus, EC50) | 9640 mg/L (Pimephales promelas) |
| 100-41-4 | ethylbenzene | 1.8 - 2.4 mg/L (Daphnia magna) | 5.4 mg/L (Pseudokirchneriella subcapitata) | 4.2 mg/L (Oncorhynchus mykiss) |
| 445498-00-0 | Formaldehyde, polymer with N,N-dimethyl-1,3-propanediamine and phenol | 24 mg/L (Daphnia, EC50, 48h, static) | >0.219 mg/L (Algae, EC50, 72h, static) | 40 mg/L (fish, LC50, 96h, static) |
| 2855-13-2 | 3-Aminomethyl-3,5,5-trimethylcyclohexylamine | 23 mg/L (Daphnia magna) | 37 mg/L (EC50, Desmodesmus subspicatus) | 110 mg/L (Leuciscus idus) |
| 90-72-2 | 2,4,6-tris(dimethylaminomethyl)phenol | 718 mg/L (EC50, 96h, Palaeomonetes vulgaris) | 84 mg/L (EC50, 72h, Desmodesmus subspicatus) | 175 mg/L (LC50, 96h, Cyprinus carpio) |
| 69-72-7 | salicylic acid | 870 mg/L (Daphnia magna) | >100 mg/L (EC50, Desmodesmus subspicatus) | 1370 mg/L (Pimephales promelas) |

SECTION 13: Disposal Considerations

- 13.1 WASTE TREATMENT METHODS:** Do not burn, or use a cutting torch on, the empty drum. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Empty containers should be taken to an approved waste handling site for recycling or disposal. Rags/wiping cloths and the like, moistened with flammable liquids, must be discarded into designated fireproof buckets. 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.

European Waste Code: 08 01 11*

Packaging Waste Code: 15 01 10*

SECTION 14: Transport Information

| | ADR/RID | ADN | IMDG | IATA |
|--|---|---|---|---|
| 14.1 UN-number or ID number | UN3469 | UN3469 | UN3469 | UN3469 |
| 14.2 UN proper shipping name | PAINT, FLAMMABLE, CORROSIVE | PAINT, FLAMMABLE, CORROSIVE | PAINT, FLAMMABLE, CORROSIVE | PAINT, FLAMMABLE, CORROSIVE |
| 14.3 Transport Hazard Class(es) | 3,8 | 3,8 | 3,8 | 3,8 |
| 14.4 Packing Group | III | III | III | III |
| 14.5 Enviromental Hazards | Marine pollutant: Yes (Fatty acids, tall-oil, reaction products with bis-A, epichlorohydrin, glycidyl tolyl ether and TETA) | Marine pollutant: Yes (Fatty acids, tall-oil, reaction products with bis-A, epichlorohydrin, glycidyl tolyl ether and TETA) | Marine pollutant: Yes (Fatty acids, tall-oil, reaction products with bis-A, epichlorohydrin, glycidyl tolyl ether and TETA) | Marine pollutant: Yes (Fatty acids, tall-oil, reaction products with bis-A, epichlorohydrin, glycidyl tolyl ether and TETA) |

14.6 Special precautions for user No Information

EmS-No.: F-E, S-C

14.7 Maritime transport in bulk according to IMO instruments No Information

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: 2 - 5

Danish MAL Code - Mixture: 2 - 5

Sweden Product Registration Number: Not available

Norway Product Registration Number: P-92428

| | |
|---|-------------|
| WGK Class: | 3 |
| Covered by Directive 2012/18/EC (Seveso III): | P5c, E2 |
| Restrictions to product or to substances according to Annex XVII, Regulation (CE) 1907/2006: | Entry 3, 40 |

Annex XIV - Annex XIV, Regulation (CE) 1907/2006 - Authorisation List:CAS-No. Name According to EEC

Not Applicable

SVHC - Substances of very high concern (Candidate List - Art. 59 REACH):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:**

| | |
|-------|--|
| H225 | Highly flammable liquid and vapour. |
| H226 | Flammable liquid and vapour. |
| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H312 | Harmful 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. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |
| H361d | Suspected of damaging the unborn child. |
| H372 | Causes damage to organs through prolonged or repeated exposure. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |

Reasons for revision

Changes have been made to Section 3 of the Safety Data Sheet (SDS). Please refer to the Composition / Information on Ingredients in Section 3 of this SDS. Changes have been made to Section 8 of the Safety Data Sheet (SDS). Please refer to the Exposure Controls / Personal Protection information in Section 8 of the SDS. .

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

- Joint Research Centre in Ispra, Italy
- Regulation (EC) 1272/2008 with subsequent amendments
- Regulation (EC) 1907/2006 with subsequent amendments
- Commission Regulation (EU) 2020/878
- Eu Council Decision 2000/532/EC and its Annex entitled "List of Wastes"
- Safety Data Sheet from raw material supplier
- The classification declared in sec. 2.2 is based on the calculation methods set out in Annex I and Annex II of the CLP Reg. 1272/2008 on the composition of the formula.

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/m ³ | 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 |
| NE | Narcotic Effects |
| IMO | International Maritime Organization |
| Note P: | The classification as a carcinogen or mutagen need not apply; the substance contains less than 0,1 % w/w benzene |
| Note 10: | The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter ≤ 10 µm. |

For further information, please contact: Regulatory 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.