



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

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

- 1.1 Product Identifier** 8670 **Revision Date:** 05/03/2019
- Product Name:** CARBOXANE 2000 TOPCOAT /  
 CARBOXANE 2000 TOPCOAT  
 CARBO-KIT PART A **Supersedes Date:** 04/05/2018
- Version Number:** 10
- 1.2 Relevant identified uses of the substance or mixture and uses advised against** Base component of 2 components coating - Industrial use. Advised against: Please see Technical Data Sheet.
- Product to be mixed with:** CARBOXANE 2000 TOPCOAT / CARBOXANE 2000 TOPCOAT CARBO-KIT PART B  
**Mixing ratio by volume Part A/ Part B:** 2:1
- 1.3 Details of the supplier of the safety data sheet**
- Importer:** None
- 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:** Larsen, Beate - ehs@stoncor.com
- 1.4 Emergency telephone number:** CHEMTREC +1 703 5273887 (Outside US)

## SECTION 2: Hazard Identification

### 2.1 Classification of the substance or mixture

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

#### HAZARD STATEMENTS

|   |        |
|---|--------|
| Skin drying or cracking                                   | EUH066 |
| Allergic effects  | EUH208 |
| Serious Eye Damage, category 1                            | H318   |
| Hazardous to the aquatic environment, Chronic, category 3 | H412   |

## 2.2 Label elements

### Symbol(s) of Product



### Signal Word

Danger

### Named Chemicals on Label

[3-(2,3-epoxypropoxy)propyl]trimethoxysilane

### HAZARD STATEMENTS

|   |        |   |
|---|--------|---|
| Skin drying or cracking                                   | EUH066 | Repeated exposure may cause skin dryness or cracking.   |
| Allergic effects  | EUH208 | Contains n-butyl acrylate, bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate, n,n'-1,6-hexanediylbis(12-hydroxy-octadecanamide), methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate. May produce an allergic reaction. |
| Serious Eye Damage, category 1                            | H318   | Causes serious eye damage.  |
| Hazardous to the aquatic environment, Chronic, category 3 | H412   | Harmful to aquatic life with long lasting effects.  |

### PRECAUTION PHRASES

|              |   |
|--------------|---|
| P261         | Avoid breathing dust/fume/gas/mist/vapours/spray.   |
| P280         | Wear protective gloves/protective clothing/eye protection/face protection.  |
| 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. |
| P403+233     | Store in a well-ventilated place. Keep container tightly closed.  |

## 2.3 Other hazards

No Information

### Results of PBT and vPvB assessment:

No information available.

## SECTION 3: Composition/Information On Ingredients

### 3.2 Mixtures

#### Hazardous Ingredients

| <u>CAS-No.</u> | <u>EINEC No.</u> | <u>Name According to EEC</u>                                  | <u>%</u>   |
|----------------|------------------|---|------------|
| 13463-67-7     | 236-675-5        | titanium dioxide  | 25 - <50   |
| 2530-83-8      | 219-784-2        | [3-(2,3-epoxypropoxy)propyl]trimethoxysilane                  | 10 - <25   |
| 123-86-4       | 204-658-1        | n-butyl acetate   | 2.5 - <10  |
| 67762-90-7     | 614-122-2        | Siloxanes and Silicones, di-Me, reaction products with silica | 1.0 - <2.5 |
| 3648-18-8      | 222-883-3        | dioctyltin dilaurate  | 1.0 - <2.5 |
| 540-97-6       | 208-762-8        | dodecamethylcyclohexasiloxane (D6)                            | 1.0 - <2.5 |
| 1330-20-7      | 215-535-7        | xylene  | 1.0 - <2.5 |
| 55349-01-4     |                  | n,n'-1,6-hexanediylbis(12-hydroxy-octadecanamide)             | 0.1 - <1.0 |
| 41556-26-7     | 255-437-1        | bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate               | 0.1 - <1.0 |
| 100-41-4       | 202-849-4        | ethylbenzene  | 0.1 - <1.0 |
| 82919-37-7     | 280-060-4        | methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate             | 0.1 - <1.0 |
| 141-32-2       | 205-480-7        | n-butyl acrylate  | 0.1 - <1.0 |

| <u>CAS-No.</u> | <u>REACH Reg No.</u> | <u>CLP Symbols</u> | <u>CLP Hazard Statements</u>     | <u>M-Factors</u> |
|----------------|----------------------|--------------------|----------------------------------|------------------|
| 13463-67-7     | 01-2119489379-17     |                    |                                  |                  |
| 2530-83-8      | 01-2119513212-58     | GHS05              | H318                             |                  |
| 123-86-4       | 01-2119485493-29     | GHS02-GHS07        | H226-336                         |                  |
| 67762-90-7     |                      |                    |                                  |                  |
| 3648-18-8      |                      | GHS08              | H361-373                         |                  |
| 540-97-6       |                      |                    |                                  |                  |
| 1330-20-7      | 01-2119488216-32     | GHS02-GHS07-GHS08  | H226-304-312-315-319-332-335-373 |                  |
| 55349-01-4     |                      | GHS07              | H317-413                         |                  |
| 41556-26-7     |                      | GHS07-GHS09        | H317-400-410                     |                  |
| 100-41-4       |                      | GHS02-GHS07-GHS08  | H225-304-315-319-332-373-412     |                  |
| 82919-37-7     |                      | GHS07-GHS09        | H317-400-410                     |                  |
| 141-32-2       | 01-2119453155-43     | GHS02-GHS07        | H226-315-317-319-332-335-412     |                  |

**Remarks:** CAS-no: 540-97-6: PBT (Art. 57d), vPvB (Art. 57e)

**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. Provide fresh air, rest and warmth. Call a physician immediately. Give oxygen or artificial respiration if needed. When risk of unconsciousness, place and transport the victim in secured recovery position.

**AFTER SKIN CONTACT:** Use a mild soap if available. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician. Do not use solvent or thinners to clean skin.

**AFTER EYE CONTACT:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Consult a physician.

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

### 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 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: Fire-fighting Measures

### 5.1 Extinguishing Media:

Carbon Dioxide, Dry Chemical, Foam

**FOR SAFETY REASONS NOT TO BE USED:** 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. 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

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

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

### 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

**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

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. Use only in area provided with appropriate exhaust ventilation. Provide sufficient air exchange and/or exhaust in work rooms. 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. Apply technical measures to comply with the occupational exposure limits (see section 8). 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:** Exposure to moisture. 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 away from: oxidising materials, acids, and alkalis. Store in upright position only.

### 7.3 Specific end use(s)

No specific advice for end use available.

## SECTION 8: Exposure Controls/Personal Protection

### 8.1 Control parameters

#### Ingredients with Occupational Exposure Limits (UK WELS)

| <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> |
|---|----------------|-----------------|-----------------|-------------------|-------------------|
| titanium dioxide  | 13463-67-7     |                 |                 | 10 (total dust)   | 4 (resp. dust)    |
| [3-(2,3-epoxypropoxy)propyl] trimethoxysilane                 | 2530-83-8      |                 |                 |                   |                   |
| n-butyl acetate   | 123-86-4       | 150             | 200             | 966               | 724               |
| Siloxanes and Silicones, di-Me, reaction products with silica | 67762-90-7     |                 |                 | 6 (Inh. dust)     | 2.4 (Resp. dust)  |
| dioctyltin dilaurate  | 3648-18-8      |                 |                 |                   |                   |
| dodecamethylcyclotetrasiloxane (D6)                           | 540-97-6       |                 |                 |                   |                   |
| xylene  | 1330-20-7      | 50              | 100             | 441               | 220               |
| n,n'-1,6-hexanediylbis(12-hydroxy-octadecanamide)             | 55349-01-4     |                 |                 |                   |                   |
| bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate               | 41556-26-7     |                 |                 |                   |                   |
| ethylbenzene  | 100-41-4       | 100             | 125             | 552               | 441               |
| methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate             | 82919-37-7     |                 |                 |                   |                   |
| n-butyl acrylate  | 141-32-2       | 1               | 5               | 26                | 5                 |

| <u>Name</u>                                   | <u>CAS-No.</u> | <u>OEL Note</u> |
|---|----------------|-----------------|
| titanium dioxide                              | 13463-67-7     |                 |
| [3-(2,3-epoxypropoxy)propyl] trimethoxysilane | 2530-83-8      |                 |
| n-butyl acetate                               | 123-86-4       |                 |

|   |            |    |
|---|------------|----|
| Siloxanes and Silicones, di-Me, reaction products with silica | 67762-90-7 |    |
| dioctyltin dilaurate  | 3648-18-8  |    |
| dodecamethylcyclohexasiloxane (D6)                            | 540-97-6   |    |
| xylene  | 1330-20-7  | Sk |
| n,n'-1,6-hexanediylbis(12-hydroxy-octadecanamide)             | 55349-01-4 |    |
| bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate               | 41556-26-7 |    |
| ethylbenzene  | 100-41-4   | Sk |
| methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate             | 82919-37-7 |    |
| n-butyl acrylate  | 141-32-2   |    |

**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.

## 8.2 Exposure controls

### Personal Protection

**RESPIRATORY PROTECTION:** Use compressed air or fresh air breathing apparatus in closed compartments. 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).

**EYE PROTECTION:** If splashes are likely to occur, wear: Face-shield, tightly fitting safety goggles (EN 166).

**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). Long sleeved clothing. Remove and wash contaminated clothing before re-use. Use chemical resistant gloves and lotions and barrier creams to prevent drying of the skin. Protective gloves complying with EN 374: Butyl rubber. Nitril rubber. Recommended glove material for mixed product: Protective gloves complying with EN 374: Butyl rubber. Nitril rubber.

**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.

### Chemical Name:

titanium dioxide

### EC No.:

236-675-5

### CAS-No.:

13463-67-7

## DNELs - Derived no effect level

|                   | Workers            |                        |                       |                          | Consumers          |                        |                       |                          |
|-------------------|--------------------|------------------------|-----------------------|--------------------------|--------------------|------------------------|-----------------------|--------------------------|
| Route of Exposure | 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       |                        |                       |                          |                    |                        |                       | 700 mg/kg/ bw/ day       |
| Inhalation        |                    |                        | 10 mg/m³              |                          |                    |                        |                       |                          |
| Dermal            |                    |                        |                       |                          |                    |                        |                       | 10 mg/m³                 |

## PNEC's - Predicted no effect concentration

| Environmental protection target    | PNEC              |
|------------------------------------|-------------------|
| Fresh water                        | 0.127 mg/L        |
| Fresh water sediments              | 1000 mg/kg dw     |
| Marine water                       | 1 mg/L            |
| Marine sediments                   | 100 mg/kg dw      |
| Food chain                         | 1667 mg/kg (oral) |
| Microorganisms in sewage treatment | 100 mg/kg         |
| soil (agricultural)                | 100 mg/kg dw      |
| Air                                |                   |

**Chemical Name:**

[3-(2,3-epoxypropoxy)propyl]trimethoxysilane

**EC No.:**

219-784-2

**CAS-No.:**

2530-83-8

**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       |                        |                       |                          |                    |                        |                       | 12.5 mg/kg bw/day        |
| Inhalation        |                    | 147 mg/m <sup>3</sup>  |                       | 147 mg/m <sup>3</sup>    |                    |                        |                       |                          |
| Dermal            |                    | 21 mg/kg bw/day        |                       | 21 mg/kg bw/day          |                    |                        |                       | 12.5 mg/kg bw/day        |

**PNEC's - Predicted no effect concentration**

|                                    |                       |
|------------------------------------|-----------------------|
| Environmental protection target    | PNEC                  |
| Fresh water                        | 1 mg/l                |
| Fresh water sediments              | 0.79 mg/kg            |
| Marine water                       | 0.1 mg/l              |
| Marine sediments                   | 360 µg/kg sediment dw |
| Food chain                         |                       |
| Microorganisms in sewage treatment |                       |
| soil (agricultural)                | 140 µg/kg soil dw     |
| Air                                |                       |

**Chemical Name:**

n-butyl acetate

**EC No.:**

204-658-1

**CAS-No.:**

123-86-4

**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   |                                  |                       |                          |  | 2 mg/kg bw/day - neurotoxicity-                        |   | 2 mg/kg bw/day -neurotoxicity- |
| Inhalation        | 300 mg/m <sup>3</sup> (irritation (respiratory tract)) | 600 mg/m <sup>3</sup>            | 300 mg/m <sup>3</sup> | 48 mg/m <sup>3</sup>     | 300 mg/m <sup>3</sup> (irritation (respiratory tract)) | 300 mg/m <sup>3</sup> (irritation (respiratory tract)) | 35.7 mg/m <sup>3</sup> (irritation (respiratory tract)) | 12 mg/m <sup>3</sup>           |
| Dermal            |  | 11 mg/kg bw/day - neurotoxicity- |                       | 7 mg/kg bw/day           | No hazard identified                                   | 6 mg/kg bw/day - neurotoxicity                         |   | 3.4 mg/kg bw/day               |

**PNEC's - Predicted no effect concentration**

|                                    |              |
|------------------------------------|--------------|
| Environmental protection target    | PNEC         |
| Fresh water                        | 0.18 mg/l    |
| Fresh water sediments              | 0.981 mg/kg  |
| Marine water                       | 0.018 mg/l   |
| Marine sediments                   | 0.0981 mg/kg |
| Food chain                         |              |
| Microorganisms in sewage treatment | 35.6 mg/L    |
| soil (agricultural)                | 0.0903 mg/kg |
| 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          |                        |                       |                          |                       |                        |                       | 1.6 mg/kg bw/day         |
| Inhalation        | 289 mg/m <sup>3</sup> | 289 mg/m <sup>3</sup>  |                       | 77 mg/m <sup>3</sup>     | 174 mg/m <sup>3</sup> | 174 mg/m <sup>3</sup>  |                       | 14.8 mg/m <sup>3</sup>   |
| 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                                |             |

**SECTION 9: Physical and Chemical Properties****9.1 Information on basic physical and chemical properties**

|   |                         |
|---|-------------------------|
| <b>Appearance:</b>                                  | Misc. colours           |
| <b>Physical State</b>                               | Liquid                  |
| <b>Odor</b>   | None / uncharacteristic |
| <b>Odor threshold</b>                               | Not determined          |
| <b>pH</b>   | Not determined          |
| <b>Melting point / freezing point (°C)</b>          | Not determined          |
| <b>Boiling point/range (°C)</b>                     | 126 - 144               |
| <b>Flash Point, (°C)</b>                            | >60                     |
| <b>Evaporation rate</b>                             | Not determined          |
| <b>Flammability (solid, gas)</b>                    | Not determined          |
| <b>Upper/lower flammability or explosive limits</b> | 1 - 8                   |
| <b>Vapour Pressure</b>                              | Not determined          |
| <b>Vapour density</b>                               | >1 (air = 1)            |
| <b>Relative density</b>                             | Not determined          |
| <b>Solubility in / Miscibility with water</b>       | Negligible              |
| <b>Partition coefficient: n-octanol/water</b>       | Not determined          |
| <b>Auto-ignition temperature (°C)</b>               | 400                     |
| <b>Decomposition temperature (°C)</b>               | Not determined          |
| <b>Viscosity</b>                                    | 75 - 80 KU              |
| <b>Explosive properties</b>                         | Not determined          |
| <b>Oxidising properties</b>                         | Not determined          |

**9.2 Other information**

VOC Content g/l: 55

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

Specific Gravity (g/cm<sup>3</sup>) 1.38**SECTION 10: Stability and Reactivity****10.1 Reactivity**

No reactivity hazards known under normal storage and use conditions.

**10.2 Chemical stability**

Stable under normal conditions. Methanol is given off during processing and by reaction with water.

**10.3 Possibility of hazardous reactions**

No Information

**10.4 Conditions to avoid**

Exposure to moisture. 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**Methanol in case of hydrolysis. In case of fire or hot work operations, **hazardous decomposition products** may be formed such as: Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), aliphatic amines, aldehydes.**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:** Vapour/spray mist may irritate respiratory system and lungs.**Corrosivity:** Causes serious eye damage.**Sensitization:** No information available.**Repeated dose toxicity:** No information available.**Carcinogenicity:** No information available.**Mutagenicity:** No information available.**Toxicity for reproduction:** This product contains one or more substances classified as toxic for reproduction.**STOT-single exposure:** No information available.**STOT-repeated exposure:** No information available.**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>       |
|----------------|------------------------------|---------------------------|--------------------|-------------------|-----------------|-----------------------------|
| 13463-67-7     | titanium dioxide             | >5000 mg/kg<br>(oral-rat) | 10000 mg/kg        | No information    | No information  | >6.82 mg/L (inh-<br>rat-4h) |



|            |   |                          |   |                                       |                          |                              |
|------------|---|--------------------------|---|---------------------------------------|--------------------------|------------------------------|
| 2530-83-8  | [3-(2,3-epoxypropoxy)propyl]trimethoxysilane                  | 8025 mg/kg (oral-rat)    | 4250 mg/kg (dermal-rabbit)                    | >5300 mg/L (inh/4h/aerosols/rat)      | No information           | No information               |
| 123-86-4   | n-butyl acetate   | 10760 mg/kg (rat-oral)   | 14112 mg/Kg (rabbit-dermal)                   | 23.4 mg/l/4/h (rat)                   | No information           | No information               |
| 67762-90-7 | Siloxanes and Silicones, di-Me, reaction products with silica | 6350 mg/kg (oral-rat)    | >2000 mg/kg (dermal-rat)                      | No information                        | No information           | No information               |
| 3648-18-8  | dioctyltin dilaurate  | 6450 mg/kg (oral-rat)    | 6954 mg/kg (dermal-rabbit)                    | No information                        | No information           | No information               |
| 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) |
| 100-41-4   | ethylbenzene  | 3500 mg/kg rat, oral     | 5510 mg/kg, rabbit                            | 4000 ppm, rat, 4h                     | 10000 ppm                | 1.5 mg/L                     |
| 141-32-2   | n-butyl acrylate  | 3143 mg/kg (Oral-rabbit) | >2000 mg/Kg (Dermal, rabbit, 2000-3024 mg/kg) | 10.3 mg/L (inhalation vapor, rat, 4h) | 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. Respiration of solvent vapour may cause dizziness. Corrosive - causes irreversible eye damage. Chronic exposure has been associated with various neurotoxic effects including permanent brain damage. Chronic exposure causes drying effect on the skin and eczema. Inhalation of vapour or mist can cause headache, nausea, irritation of nose, throat, and lungs. This product may contain Titanium Dioxide, 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. This classification is relevant when exposed to titanium dioxide in dust or powder form only, including cured product that is subject to sanding, grinding, cutting, or other surface preparation activities.

**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:** No information available.

**12.6 Other adverse effects:** No information

| <u>CAS-No.</u> | <u>Name According to EEC</u>                    | <u>EC50 48hr</u>                             | <u>IC50 72hr</u>                                    | <u>LC50 96hr</u>   |
|----------------|---|--|---|--|
| 13463-67-7     | titanium dioxide                                | >100 mg/l (EC50, 48h, Daphnia magna OECD202) | 16 mg/l (EC50, 72h, Pseudokirchnerella subcapitata) | >100 mg/l (EC50, 96h, Oncorhynchus Mykiss OECD203)   |
| 2530-83-8      | [3-(2,3-epoxypropoxy)propyl]trimethoxysilane    | No information                               | No information                                      | 55 mg/L (cyprinus carpio)  |
| 123-86-4       | n-butyl acetate                                 | 44 mg/L (Daphnia)                            | 648 mg/L (Desmodesmus subspicatus)                  | 18 mg/L (Pimephales promelas)  |
| 1330-20-7      | xylene  | 165 mg/L (Daphnia magna 24h)                 | 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) |
| 41556-26-7     | bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate | No information                               | No information                                      | 0.97 mg/L (Lepomis macrochirus)  |
| 100-41-4       | ethylbenzene                                    | 1.37 mg/l                                    | No information                                      | 32 mg/l (Bluegill)   |

|            |   |                          |   |  |
|------------|---|--------------------------|---|--|
| 82919-37-7 | methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate | No information           | No information  | 0.97 mg/L (Lepomis macrochirus)                            |
| 141-32-2   | n-butyl acrylate                                  | 8.2 mg/L (Daphnia magna) | 2.65 mg/L; 5.9 mg/L (Pseudokirchneriella subcapitata) | 2.1 mg/L (Cyprinus carpio); 5.2 mg/L (Oncorhynchus mykiss) |

### 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. 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

- |      |  |                                     |
|------|--|-------------------------------------|
| 14.1 | UN number  | Not applicable                      |
| 14.2 | UN proper shipping name  | Not regulated acc. to ADR/RID/IMDG. |
|      | Technical name   | Not applicable                      |
| 14.3 | Transport hazard class(es)   | Not applicable                      |
|      | Subsidiary shipping hazard   | Not applicable                      |
| 14.4 | Packing group  | Not applicable                      |
| 14.5 | Environmental hazards  | Not applicable                      |
| 14.6 | Special precautions for user   | Not applicable                      |
|      | 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: 1 - 6

Danish MAL Code - Mixture: 2 - 6

Sweden Product Registration Number: Not available

Norway Product Registration Number: P-92429

Germany WGK Class: 3

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

Restrictions to product or to substances according to Annex XVII, Regulation (CE) 1907/2006: Entry 20

**Annex XIV - Authorisation List:**

CAS-No.      Name According to EEC

**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**

540-97-6      dodecamethylcyclohexasiloxane (D6)

**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.                                       |
| H304 | May be fatal if swallowed and enters airways.                      |
| H312 | Harmful in contact with skin.                                      |
| 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.                                 |
| H361 | Suspected of damaging fertility or the unborn child.               |
| 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.              |
| H412 | Harmful to aquatic life with long lasting effects.                 |
| H413 | May cause long lasting harmful effects to aquatic life.            |

**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. Changes have been made to Section 11 of the Safety Data Sheet (SDS). Please refer to the Toxicological Information in Section 11 of this SDS. Changes have been made to Section 15 of the Safety Data Sheet (SDS). Please refer to the Regulatory Information in Section 15 of this 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;  
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  |
| LTCL   | Long term exposure limit  |
| STCL   | 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  |
| NE     | Narcotic Effects  |

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.