

# Safety Data Sheet

# prepared to UN GHS Revision 3

# 1. Identification of the Substance/Mixture and the Company/Undertaking

| 1.1 | Product Identifier  | 562-0025  | Revision Date:<br>Supersedes Date: | 26/08/2023<br>07/10/2022     |
|-----|---|---|------------------------------------|------------------------------|
|     | Product Name:   | Carboguard 193 - Part A   | Superseues Date.                   | 07/10/2022                   |
| 1.2 | Relevant identified uses of the substance or mixture and uses advised against | Base component of 2 components coa recommended  | ting - Industrial use.             | Advised against: others than |
| 1.3 | Details of the supplier of the safety   | data sheet  |                                    |                              |
|     | Importer:   | Importer  |                                    |                              |
|     | Manufacturer:   | StonCor Africa (Pty.) Ltd.<br>8 Cresset Road<br>Midrand Industrial Park, Chloorkop<br>P.O. Box 2205<br>2001, Johannesburg<br>South Africa<br>Regulatory / Technical Information:<br>+27 11 254 5500 |                                    |                              |
|     | Datasheet Produced by:  | Hensberg, Joshua - ehs@stoncor.com  | 1                                  |                              |
| 1.4 | Emergency telephone number:   | CHEMTREC 1-800-424-9300 (Inside U<br>CHEMTREC +1 703 5273887 (Outside   | ,                                  |                              |
|     |   | Giftinformasjonen: +47 22 59 13 00  |                                    |                              |

# 2. Hazard Identification

## 2.1 Classification of the substance or mixture

Acute Toxicity, Inhalation, category 4 Hazardous to the aquatic environment, Chronic, category 2 Carcinogenicity, category 1A Eye Irritation, category 2A Flammable Liquid, category 2 Reproductive Toxicity, category 1A STOT, repeated exposure, category 2 STOT, single exposure, category 2 Skin Irritation, category 2 Skin Sensitizer, category 1

### 2.2 Label elements

#### Symbol(s) of Product



#### Signal Word

Danger

### Named Chemicals on Label

Ethylbenzene, 4-methylpentan-2-one, Xylene, quartz (silicon dioxide), Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <= 700)

### HAZARD STATEMENTS

| Flammable Liquid, category 2<br>Skin Irritation, category 2<br>Skin Sensitizer, category 1<br>Eye Irritation, category 2A<br>Acute Toxicity, Inhalation, category 4<br>Carcinogenicity, category 1A | H225<br>H315<br>H317<br>H319<br>H332<br>H350-1A | Highly flammable liquid and vapour.<br>Causes skin irritation.<br>May cause an allergic skin reaction.<br>Causes serious eye irritation.<br>Harmful if inhaled.<br>May cause cancer. |
|---|---|--|
| Reproductive Toxicity, category 1A  | H360-1A   | May damage fertility or the unborn child.  |
| STOT, single exposure, category 2   | H371  | May cause damage to organs.  |
| STOT, repeated exposure, category 2   | H373  | May cause damage to organs through prolonged or repeated exposure.   |
| Hazardous to the aquatic environment,<br>Chronic, category 2  | H411  | Toxic to aquatic life with long lasting effects.   |
| PRECAUTION PHRASES  |   |  |
|   | P201  | Obtain special instructions before use.  |
|   | P202  | Do not handle until all safety precautions have been read and understood.  |
|   | P210  | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.   |
|   | P235  | Keep cool.   |
|   | P260  | Do not breathe dust/fume/gas/mist/vapours/spray.   |
|   | P264  | Wash hands thoroughly after handling.  |
|   | P273  | Avoid release to the environment.  |
|   | P280  | Wear protective gloves/protective clothing/eye protection/<br>face protection.   |
|   | P284  | Wear respiratory protection.   |
|   | P302+352  | IF ON SKIN: Wash with plenty of soap and water.  |
|   | P304+340  | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.   |
|   | P305+351+338                                    | IF IN EYES: Rinse cautiously with water for several minutes.<br>Remove contact lenses, if present and easy to do so.<br>Continue rinsing.  |
|   | P308+313  | IF exposed or concerned: Get medical advice/attention.   |
|   | P308+P313                                       | IF exposed or concerned: Get medical advice/attention  |
|   | P309+P311                                       | IF exposed or if you feel unwell: Call a POISON CENTER or<br>doctor/physician.   |
|   | P314  | Get medical advice/attention if you feel unwell.   |
|   | P333+313  | If skin irritation or rash occurs: Get medical advice/attention.   |
|   | P391  | Collect spillage.  |
|   | P403+233  | Store in a well-ventilated place. Keep container tightly closed.   |

## 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.

# 3. Composition/Information On Ingredients

## 3.2 Mixtures

| Hazardous ingredients   |                               |                             |                      |                                 |  |
|---|-------------------------------|-----------------------------|----------------------|---------------------------------|--|
| Name According to EEC<br>Xylene   | <u>EINEC No.</u><br>215-535-7 | <u>CAS-No.</u><br>1330-20-7 | <u>%</u><br>10 - <25 | Classifications<br>H226-315-332 | Acute Tox. 4 Inhalation,<br>Flam. Liq. 3, Skin Irrit. 2  |
| Reaction product:<br>bisphenol-A-<br>(epichlorhydrin) epoxy<br>resin (number average<br>molecular weight <=<br>700) | 500-033-5                     | 25068-38-6                  | 10 - <25             | H315-317-319-411                | Aquatic Chronic 2, Eye Irrit.<br>2, Skin Irrit. 2, Skin Sens. 1                                  |
| 4-methylpentan-2-one  | 203-550-1                     | 108-10-1                    | 10 - <25             | H225-302-319-332-3<br>35        | Acute Tox. 4 Inhalation,<br>Acute Tox. 4 Oral, Eye Irrit.<br>2, Flam. Liq. 2, STOT SE 3<br>RTI   |
| trizinc bis<br>(orthophosphate)   | 231-944-3                     | 7779-90-0                   | 2.5 - <10            | H302-400-410                    | Acute Tox. 4 Oral, Aquatic<br>Acute 1, Aquatic Chronic 1   |
| red iron oxide  | 215-168-2                     | 1309-37-1                   | 2.5 - <10            |                                 |  |
| quartz (silicon dioxide)  | 238-878-4                     | 14808-60-7                  | 2.5 - <10            | H350-370                        | Carc. 1A, STOT SE 1  |
| 1-methoxypropan-2-ol  | 203-539-1                     | 107-98-2                    | 2.5 - <10            | H226-336                        | Flam. Liq. 3, STOT SE 3 NE   |
| Ethylbenzene  | 202-849-4                     | 100-41-4                    | 2.5 - <10            | H225-304-315-319-3<br>32-373    | Acute Tox. 4 Inhalation, Asp.<br>Tox. 1, Eye Irrit. 2, Flam. Liq.<br>2, Skin Irrit. 2, STOT RE 2 |
| Bis(2-ethylhexyl)<br>phthalate  | 204-211-0                     | 117-81-7                    | 1.0 - <2.5           | H360                            | Repr. 1A   |

| CAS-No.                 | M-Factors   |
|-------------------------|---|
| 1330-20-7               | 0   |
| 25068-38-6              | 0   |
| 108-10-1                | 0   |
| 7779-90-0               | 0   |
| 1309-37-1               | 0   |
| 14808-60-7              | 0   |
| 107-98-2                | 0   |
| 100-41-4                | 0   |
| 117-81-7                | 0   |
| Additional Information: | The text for GHS Hazard Statements shown above (if any) is given in Section 16. |

# 4. First-aid Measures

## 4.1 Description of First Aid Measures

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

AFTER INHALATION: Move to fresh air.

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.

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

**AFTER INGESTION:** Gently wipe or rinse the inside of the mouth with water. Give small amounts of water to drink. 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

No Information

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

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

# 5. Fire-fighting 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.

#### 5.2 Special hazards arising from the substance or mixture No Information

#### 5.3 Advice for firefighters

Flash back possible over considerable distance. In the event of fire, wear self-contained breathing apparatus. Water sprayDry powderAlcohol-resistant foamCarbon dioxide (CO2). Do not use a solid water stream as it may scatter and spread fire. Hazardous decomposition products formed under fire conditions. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

## 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.

### 6.3 Methods and material for containment and cleaning up

Prevent further leakage or spillage if safe to do so. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

#### 6.4 Reference to other sections

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

## 7. Handling and Storage

## 7.1 Precautions for safe handling

**INSTRUCTIONS FOR SAFE HANDLING:** Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Vapours may form explosive mixtures with air. 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. To avoid ignition of vapours by static electricity discharge, all metal parts of the equipment must be grounded. Wear personal protective equipment. Do not breathe vapours or spray mist. Use only explosion-proof equipment. Keep away from sources of ignition - No smoking.

**PROTECTION AND HYGIENE MEASURES:** 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: Direct sources of heat.

**STORAGE CONDITIONS:** Store in original container. Keep locked up or in an area accessible only to qualified or authorised persons. Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.

#### 7.3 Specific end use(s)

No specific advice for end use available.

# 8. Exposure Controls/Personal Protection

# 8.1 Control parameters

Ingredients with Occupational Exposure Limits (EU)

| Name   | CAS-No.         | LTEL ppm | STEL ppm | STEL mg/m3 | LTEL mg/m3 |
|--|-----------------|----------|----------|------------|------------|
| Xylene   | 1330-20-7       | 50       | 100      | 442        | 221        |
| Reaction product: bisphenol-A-<br>(epichlorhydrin) epoxy resin (number<br>average molecular weight <= 700) | 25068-38-6      |          |          |            |            |
| 4-methylpentan-2-one   | 108-10-1        | 20       | 50       | 208        | 83         |
| trizinc bis(orthophosphate)  | 7779-90-0       |          |          |            |            |
| red iron oxide   | 1309-37-1       |          |          |            |            |
| quartz (silicon dioxide)   | 14808-60-7      |          |          |            |            |
| 1-methoxypropan-2-ol   | 107-98-2        | 100      | 150      | 568        | 375        |
| Ethylbenzene   | 100-41-4        | 100      | 200      | 884        | 442        |
| Bis(2-ethylhexyl) phthalate  | 117-81-7        |          |          |            |            |
| Name   | CAS-No          | OEL Note |          |            |            |
| Mane   | <u>040-110.</u> |          |          |            |            |
| Xylene   | 1330-20-7       | SK       |          |            |            |
| Reaction product: bisphenol-A-<br>(epichlorhydrin) epoxy resin (number<br>average molecular weight <= 700) | 25068-38-6      |          |          |            |            |
| 4-methylpentan-2-one   | 108-10-1        |          |          |            |            |
| trizinc bis(orthophosphate)  | 7779-90-0       |          |          |            |            |
| red iron oxide   | 1309-37-1       |          |          |            |            |
| quartz (silicon dioxide)   | 14808-60-7      |          |          |            |            |
| 1-methoxypropan-2-ol   | 107-98-2        | SKIN     |          |            |            |
| Ethylbenzene   | 100-41-4        | SKIN     |          |            |            |
| Bis(2-ethylhexyl) phthalate  | 117-81-7        |          |          |            |            |

FURTHER INFORMATION: Refer to the regulatory exposure limits for the workforce enforced in each country.

### 8.2 Exposure controls

Personal Protection

**RESPIRATORY PROTECTION:** Respirator with a vapor filter.

EYE PROTECTION: Tightly fitting safety goggles.

HAND PROTECTION: Rubber or plastic gloves. 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). Long sleeved clothing. Remove and wash contaminated clothing before re-use. Rubber or plastic apron.

#### **OTHER PROTECTIVE EQUIPMENT:** No Information

**ENGINEERING CONTROLS:** Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas.

# 9. Physical and Chemical Properties

#### 9.1 Information on basic physical and chemical properties

| Product: 562-0025 |
|-------------------|
|-------------------|

| Appearance:  | Viscous Coloured Liquid |
|--|-------------------------|
| Physical State                                       | Liquid                  |
| Odor   | Solvent                 |
| Odor threshold                                       | Not determined          |
| рН   | Not determined          |
| Melting point / freezing point (°C)                  | Not determined          |
| Boiling point/range (°C)                             | 64 - 138                |
| Flash Point, (°C)                                    | 8                       |
| Evaporation rate                                     | Slower than ether       |
| Flammability (solid, gas)                            | Not determined          |
| Upper/lower flammability or explosive limits         | 1.2 - 12.3              |
| Vapour Pressure                                      | Not determined          |
| Vapour density                                       | Heavier than air        |
| Relative density                                     | 1.36 - 1.39             |
| Solubility in / Miscibility with water               | Immiscible              |
| Partition coefficient: n-octanol/water               | Not determined          |
| Auto-ignition temperature (°C)                       | Not determined          |
| Decomposition temperature (°C)                       | Not determined          |
| Viscosity  | 80 - 100 kU             |
| Explosive properties                                 | Not determined          |
| Oxidising properties                                 | Not determined          |
| Other information<br>VOC Content g/I:                | 435                     |
| Calculated grams of VOC per liter of coating product |                         |
| Specific Gravity (g/cm3)                             | 1.366                   |

# 10. Stability and Reactivity

## 10.1 Reactivity

9.2

No reactivity hazards known under normal storage and use conditions.

# 10.2 Chemical stability

Stable under recommended storage conditions. Risk of ignition.

#### **10.3 Possibility of hazardous reactions** Hazardous polymerisation does not occur.

**10.4 Conditions to avoid** Direct sources of heat.

#### **10.5** Incompatible materials Strong oxidizing agents.

## 10.6 Hazardous decomposition products

Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), dense black smoke.

# 11. Toxicological Information

### 11.1 Information on toxicological effects

| Acute Toxicity:            |   |
|----------------------------|---|
| Oral LD50:                 | No information  |
| Inhalation LC50:           | No information  |
| Irritation:                | No information available.   |
| Corrosivity:               | No information available.   |
| Sensitization:             | No information available.   |
| Repeated dose toxicity:    | No information available.   |
| Carcinogenicity:           | This product contains one or more carcinogenic substances. See hazard classification and precautionary statements in Section 2 for further information. |
| Mutagenicity:              | No information available.   |
| Toxicity for reproduction: | No information available.   |
| 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:

| CAS-No.    | Chemical Name   | Oral LD50                  | Dermal LD50             | Vapor LC50                     | Gas LC50 | Dust/Mist LC50 |
|------------|---|----------------------------|-------------------------|--------------------------------|----------|----------------|
| 1330-20-7  | Xylene  | 3523 mg/kg, rat,<br>oral   | 12126 mg/kg,<br>rabbitt | 5000 ppm/4 hrs rat, inhalation | 0.000    | 0.000          |
| 25068-38-6 | Reaction product: bisphenol-A-<br>(epichlorhydrin) epoxy resin<br>(number average molecular<br>weight <= 700) | >2000 mg/kg,<br>rat, oral  | >2000 mg/kg,<br>rat     |                                | 0.000    | 0.000          |
| 108-10-1   | 4-methylpentan-2-one  | 2000 mg/kg,<br>oral, rat   |                         | 5000 ppm / 1<br>hour, rat      | 0.000    | 0.000          |
| 7779-90-0  | trizinc bis(orthophosphate)   | 552 mg/kg, oral<br>rat     |                         |                                | 0.000    | 0.000          |
| 107-98-2   | 1-methoxypropan-2-ol  | 5180 mg/kg,<br>oral, rat   |                         | 10000 ppm/4hrs rat, inhalation | 0.000    | 0.000          |
| 100-41-4   | Ethylbenzene  | 3500 mg/kg rat,<br>oral    | 5510 mg/kg,<br>rabbit   | 4000 ppm, rat,<br>4h           | 0.000    | 0.000          |
| 117-81-7   | Bis(2-ethylhexyl) phthalate   | 30,600 mg/kg,<br>oral, rat |                         |                                | 0.000    | 0.000          |

# Additional Information:

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.

# 12. Ecological Information

|   |                | <u> </u>   |                |                    |                            |                                 |  |
|---|----------------|--|----------------|--------------------|----------------------------|---------------------------------|--|
| 12.1  | 12.1 Toxicity: |  |                |                    |                            |                                 |  |
| EC50 48hr (Daphnia):                        |                | No info  | ormation       |                    |                            |                                 |  |
| IC50 72hr (Algae):                          |                | No inf   | ormation       |                    |                            |                                 |  |
| LC50 96hr (fish):                           |                | No inf   | No information |                    |                            |                                 |  |
| 12.2 Persistence and degradability:         |                | No inf   | ormation       |                    |                            |                                 |  |
| 12.3 Bioaccumulative potential:             |                | No inf   | No information |                    |                            |                                 |  |
| 12.4 Mobility in soil:                      |                | No information   |                |                    |                            |                                 |  |
| 12.5 Results of PBT and vPvB<br>assessment: |                |  | The pr         | oduct does not mee | et the criteria for PBT/VP | vB in accordance with Annex XII |  |
| 12.6  | Other          | adverse effects:   | No inf         | ormation           |                            |                                 |  |
| CAS-  | No.            | Chemical Name  |                | <u>EC50 48hr</u>   | <u>IC50 72hr</u>           | <u>LC50 96hr</u>                |  |
| 1330-                                       | -20-7          | Xylene   |                | 3.82 mg/l          | No information             | 24-30 mg/l, minnow              |  |
| 2506  | 8-38-6         | Reaction product: bisphenol-A-<br>(epichlorhydrin) epoxy resin (number a | iverage        | No information     | No information             |                                 |  |

| 13. Disposal Considerations |  |                |                |                    |  |  |
|-----------------------------|--|----------------|----------------|--------------------|--|--|
| 117-81-7                    | Bis(2-ethylhexyl) phthalate  | No information | No information |                    |  |  |
| 100-41-4                    | Ethylbenzene   | 1.37 mg/l      | No information | 32 mg/l (Bluegill) |  |  |
| 107-98-2                    | 1-methoxypropan-2-ol   | No information | No information |                    |  |  |
| 14808-60-7                  | quartz (silicon dioxide)   | No information | No information |                    |  |  |
| 1309-37-1                   | red iron oxide   | No information | No information |                    |  |  |
| 7779-90-0                   | trizinc bis(orthophosphate)  | No information | No information |                    |  |  |
| 108-10-1                    | 4-methylpentan-2-one   | No information | No information |                    |  |  |
| 25068-38-6                  | (epichlorhydrin) epoxy resin (number average<br>molecular weight <= 700) | No information | No information |                    |  |  |

**13.1 WASTE TREATMENT METHODS:** Do not burn, or use a cutting torch on, the empty drum. If recycling is not practicable, dispose of in compliance with local regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

# 14. Transport Information

| 14.1 | UN number   | UN 1263        |
|------|---|----------------|
| 14.2 | UN proper shipping name   | Paint          |
|      | Technical name  | Not applicable |
| 14.3 | Transport hazard class(es)  | 3              |
|      | Subsidiary shipping hazard  | Not applicable |
| 14.4 | Packing group   | PG II          |
| 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<br>MARPOL 73/78 and the IBC code | Not applicable |

# 15. Regulatory Information

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

| National Regulations:                |               |
|--------------------------------------|---------------|
| Denmark Product Registration Number: | Not available |
| Danish MAL Code:                     | Not available |
| Danish MAL Code - Mixture:           | Not available |
| Sweden Product Registration Number:  | Not available |
| Norway Product Registration Number:  | Not available |
| WGK Class:                           | Not available |

# 15.2 Chemical Safety Assessment:

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

# 16. Other Information

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

|      | 0 0  |
|------|--|
| H225 | Highly flammable liquid and vapour.                                |
| H226 | Flammable liquid and vapour.                                       |
| H302 | Harmful if swallowed.  |
| H304 | May be fatal if swallowed and enters airways.                      |
| H315 | Causes skin irritation.  |
| H317 | May cause an allergic skin reaction.                               |
| H319 | Causes serious eye irritation.                                     |
| H332 | Harmful if inhaled.  |
| H335 | May cause respiratory irritation.                                  |
| H336 | May cause drowsiness or dizziness.                                 |
| H350 | May cause cancer.  |
| H360 | May damage fertility or the unborn child.                          |
| H370 | Causes damage to organs.   |
| 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.                   |
|      |  |

Date Printed: 28/08/2023

#### **Reasons for revision**

Composition Information Changed Substance and/or Product Properties Changed in Section(s): 09 - Physical and Chemical Properties 11 - Toxicological Information 14 - Transportation Information

Revision Statement(s) Changed

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) 1272/2006 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/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   |
| IMO    | International Maritime Organization  |

Note P: The classification as a carcinogen or mutagen need not apply; the substance

Note 10:

contains less than 0,1 % w/w benzene 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  $\leq$  10  $\mu m$ .

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.