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# Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 16.03.2024 Version number 21 (replaces version 20) Revision: 16.03.2024

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

· 1.1 Product identifier

• Trade name MC-AnchorSolid E820 - Komponente B

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

No further relevant information available.

Application of the substance

/ the mixture

Epoxy coating Epoxy impregnation

Hardening agent/ Curing agent

· 1.3 Details of the supplier of the safety data sheet

• Manufacturer/Supplier: MC-Bauchemie Müller GmbH & Co. KG

Am Kruppwald 1-8 D-46238 Bottrop Tel.: +49(0)2041-101-0 Fax.: +49(0)2041-101-400 E-Mail: info@mc-bauchemie.de

MC-Bauchemie AG Hagackerstr. 10 CH-8953 Dietikon Tel.: +44-7400510 Fax: +44-7400533

· Informing department:

msds@mc-bauchemie.de

· 1.4 Emergency telephone

**number:** Tel.: +49 / (0)700 24112112 (MCR)

Tel.: +1 872 5888271 (MCR)

### **SECTION 2: Hazards identification**

· 2.1 Classification of the substance or mixture

· Classification according to Regulation (EC) No 1272/2008

Skin Corr. 1B H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.

Skin Sens. 1 H317 May cause an allergic skin reaction.

STOT RE 1 H372 Causes damage to the lung through prolonged or repeated exposure.

Route of exposure: Inhalation.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

· 2.2 Label elements

· Labelling according to

**Regulation (EC) No 1272/2008** The product is classified and labelled according to the GB CLP regulation.

· Hazard pictograms







GHS05 GHS07 GHS08

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#### Trade name MC-AnchorSolid E820 - Komponente B

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· Signal word

Danger

· Hazard-determining

components of labelling:

1,3-Cyclohexanedimethanamine

crystalline silica

polymer amine terminated

2,4,6-Tris-(1-Phenyl-Ethyl) carbolic acid

Formaldehyd, Polymere mit Diethylentriamin und styrolisiertem

Phenol

Isophorone diamine

*m-phenylenebis*(*methylamine*)

· Hazard statements H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H372 Causes damage to the lung through prolonged or repeated

exposure. Route of exposure: Inhalation.

H412 Harmful to aquatic life with long lasting effects.

• Precautionary statements P260 Do not breathe dusts or mists.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all

contaminated clothing. Rinse skin with water [or

shower1.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for

several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P321 Specific treatment (see on this label).

P362+P364 Take off contaminated clothing and wash it

before reuse.

· 2.3 Other hazards

· Results of PBT and vPvB assessment

PBT: Not applicable.vPvB: Not applicable.

### **SECTION 3: Composition/information on ingredients**

· 3.2 Mixtures

**Description:** Binding agent with colouring agents.

Mixture consisting of the following components.

| · Dangerous components:                                                   |                                                                                                                                                |          |
|---------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| CAS: 14808-60-7                                                           | crystalline silica<br>STOT RE 1, H372                                                                                                          | 30-60%   |
| CAS: 2579-20-6<br>EINECS: 219-941-5<br>Reg.nr.: 01-2119543741-41-<br>xxxx | 1,3-Cyclohexanedimethanamine<br>Skin Corr. 1B, H314; Acute Tox. 4, H302; Acute Tox.<br>4, H312; Skin Sens. 1, H317; Aquatic Chronic 3,<br>H412 | ≥10-<25% |
| CAS: 61788-44-1<br>EINECS: 262-975-0                                      | 2,4,6-Tris-(1-Phenyl-Ethyl) carbolic acid<br>Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Skin<br>Sens. 1, H317                               | ≥10-<25% |

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| EC number: 949-140-2                           | polymer amine terminated                                                                                                   | ≥3-<10%  |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|----------|
|                                                | Eye Dam. 1, H318; Skin Irrit. 2, H315; Skin Sens. 1B,<br>H317                                                              |          |
| CAS: 100-51-6                                  | Benzyl alcohol                                                                                                             | <10%     |
|                                                | Acute Tox. 4, H302; Acute Tox. 4, H332; Eye Irrit. 2, H319                                                                 |          |
| CAS: 1293368-66-7                              | Formaldehyd, Polymere mit Diethylentriamin und styrolisiertem Phenol                                                       | ≥1-<3%   |
|                                                | Skin Corr. 1B, H314; Eye Dam. 1, H318; Skin Sens.<br>1, H317                                                               |          |
| CAS: 69-72-7                                   | salicylic acid                                                                                                             | ≥1-<2.5% |
| EINECS: 200-712-3                              | Repr. 2, H361d; Eye Dam. 1, H318; Acute Tox. 4,<br>H302                                                                    |          |
| CAS: 2855-13-2                                 | Isophorone diamine                                                                                                         | ≥1-<1.5% |
| EINECS: 220-666-8<br>Reg.nr.: 01-2119514687-32 | Skin Corr. 1B, H314; Eye Dam. 1, H318; Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Sens. 1, H317; Aquatic Chronic 3, H412 |          |
| CAS: 1477-55-0                                 | m-phenylenebis(methylamine)                                                                                                | ≥1-<1.5% |
| EINECS: 216-032-5<br>Reg.nr.: 01-2119480150-50 | Skin Corr. 1B, H314; Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Sens. 1, H317; Aquatic Chronic 3, H412                   |          |

### **SECTION 4: First aid measures**

| · 4.1 | Descri | ption ( | of first | aid | measures |
|-------|--------|---------|----------|-----|----------|
|-------|--------|---------|----------|-----|----------|

General information Remove contaminated clothing immediately. Consult a doctor if

symptoms occur. Move affected person to fresh air.

· After inhalation Supply fresh air; seek medical advice if symptoms occur.

If unconscious, place in recovery position and seek medical advice.

• After skin contact In case of contact with skin, wash carefully with plenty of soap and

water. Consult a doctor in case of skin reactions.

· After eye contact Rinse opened eye for several minutes under running water.

Call a doctor immediately

· After swallowing Rinse mouth with water. Never give anything by mouth to an

unconscious person. DO NOT induce vomiting. If symptoms

persist, consult a doctor.

· 4.2 Most important symptoms and effects, both acute and

delayed Advice for the doctor: Elementary aid, decontamination,

symptomatic treatment.

**Danger** Danger of gastric perforation.

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### SECTION 5: Firefighting measures

· 5.1 Extinguishing media

· Suitable extinguishing agents CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

· For safety reasons unsuitable

extinguishing agents

Water with a full water jet.

5.2 Special hazards arising from the substance or

mixture

Can be released in case of fire

Carbon monoxide (CO) Nitrogen oxides (NOx)

(Traces)

· 5.3 Advice for firefighters

· Protective equipment:

Wear self-contained breathing apparatus.

#### SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

6.2 Environmental

precautions:

Wear protective equipment. Keep unprotected persons away.

Do not allow to enter drainage system, surface or ground water. Inform respective authorities in case product reaches water or sewage system.

· 6.3 Methods and material for

containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders,

universal binders, sawdust).

Dispose of contaminated material as waste according to item 13.

· 6.4 Reference to other

sections

See Section 8 for information on personal protection equipment.

See Section 7 for information on safe handling

## SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

Open and handle containers with care.

Only use in well-ventilated areas (e.g. open construction, outdoor areas), in rooms without air exchange (e.g. closed rooms, underground car parks) ventilation measures are required.

are required.

Wear suitable personal protective equipment (see section 8). Avoid contact with eyes, skin and clothing. Change contaminated or damaged gloves and contaminated clothing immediately and wash skin immediately. Mix slowly, partially covering the mixing container. Pour carefully and slowly when repotting. Observe the BGBau technical data sheet and practical guide for handling epoxy resins. Open and handle containers with care.

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· Information about protection

against explosions and fires: Ensure sufficient air exchange and/or extraction in the working

areas. Take precautionary measures to avoid electrostatic

discharges.

· 7.2 Conditions for safe storage, including any incompatibilities

· Storage

· Requirements to be met by

storerooms and containers: No special requirements.

Information about storage in

one common storage facility: Store away from foodstuffs.

· Further information about

storage conditions: None. Storage class 6.1C

### SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

Components with critical values that require

PNEC 0.033 mg/l (Fresh water)

monitoring at the workplace: The product does not contain any relevant quantities of materials

with critical values that have to be monitored at the workplace.

| · DNELs    |          |                              |
|------------|----------|------------------------------|
| CAS: 257   | 9-20-6   | 1,3-Cyclohexanedimethanamine |
| Inhalative | DNEL     | 0.00947 mg/m³ (Workers)      |
| CAS: 100-  | -51-6 B  | enzyl alcohol                |
| Oral       | DNEL     | 4 mg/kg bw/Tag (ArL)         |
|            |          | 20 mg/kg bw/Tag (Ark)        |
| Dermal     | DNEL     | 8 mg/kg bw/day (ArL)         |
|            |          | 40 mg/kg bw/day (Ark)        |
| Inhalative | DNEL     | 22 mg/m³ (ArL)               |
|            |          | 110 mg/m³ (Ark)              |
| CAS: 285   | 5-13-2 i | sophorone diamine            |
| Oral       | DNEL     | 0.526 mg/kg bw/Tag (ArL)     |
| Inhalative | DNEL     | 20.1 mg/m³ (ArL)             |
| CAS: 147   | 7-55-0   | m-phenylenebis(methylamine)  |
| Dermal     | DNEL     | 0.33 mg/kg bw/day (Workers)  |
| Inhalative | DNEL     | 1.2 mg/m³ (Workers)          |
| · PNECs    |          |                              |
| CAS: 257   | 9-20-6   | 1,3-Cyclohexanedimethanamine |
| PNEC 0.0   | 003 mg/  | (Mew)                        |

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CAS: 100-51-6 Benzyl alcohol

PNEC | 0.527 mg/l (Marine water sediment)

0.1 mg/l (Mew)

1 mg/l (Fresh water sediment)

PNEC 0.456 mg/kg dwt (Bod)

5.27 mg/kg dwt (Fresh water sediment)

CAS: 2855-13-2 Isophorone diamine

PNEC 0.006 mg/l (Mew)

0.06 mg/l (Freshwater)

PNEC 0.578 mg/kg dwt (Sediment)

5.784 mg/kg dwt (Fresh water sediment)

CAS: 1477-55-0 m-phenylenebis(methylamine)

PNEC 10 mg/l (Kla)

0.009 mg/l (Mew)

0.094 mg/l (Freshwater)

PNEC 0.045 mg/kg dwt (Bod)

0.43 mg/kg dwt (Marine water sediment)

0.43 mg/kg dwt (Fresh water sediment)

Additional information:

The lists that were valid during the compilation were used as basis.

· 8.2 Exposure controls

Appropriate engineering

controls

No further data; see section 7.

· Individual protection measures, such as personal protective equipment

General protective and

hygienic measures Keep away from food, drink and animal feed.

Remove soiled, soaked clothing immediately.

Wash hands before breaks and at the end of work.

Avoid contact with eyes and skin.

Breathing equipment: If workplace limit values cannot be complied with by ventilation

measures or if rooms cannot be technically ventilated, respiratory protection must be worn: Use combination filter A1-P2 (brown/white) in rooms that cannot be ventilated. If oxygen deficiency is expected, use self-contained breathing apparatus. Observe wearing time limits according to §9 (3) GefStoffV in conjunction

with BGR 190.

• Hand protection Selection of the glove material on consideration of the penetration

times, rates of diffusion and the degradation

· Material of gloves You can find help with choosing gloves on the website https://

www.bgbau.de/fileadmin/Gisbau/Projekte.pdf

For example, we recommend the Sol-vex 37-900 protective gloves from Ansell GmbH. The breakthrough time of the protective gloves can be found under point 8 "Penetration time of the glove material". The selection of a suitable glove depends not only on the material, but also on other quality features and varies from manufacturer to

manufacturer. As the product

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is a preparation of several substances, the resistance of glove materials cannot be calculated in advance and must therefore be

checked before use. Nitrile rubber

Recommended material thickness:≥ 0.4 mm

· Penetration time of glove material

The breakthrough times of the Sol-vex 37-900 protective gloves

are around 8 hours.

The following applies to all other gloves:

The exact breakthrough time must be obtained from the protective

glove manufacturer and adhered to.

Nitrile rubber

Material thickness: ≥ 0.40 mm Penetration time: ≥ 480 min

Butyl rubber:

Material thickness:  $\geq 0.5$  mm Penetration time:  $\geq 480$  min Tight-fitting safety goggles.

Safety goggles.

• Body protection: Protective clothing

Suitable protective clothing should be worn when working with epoxy resins. In addition to normal work clothing (long trousers, long-sleeved shirt or T-shirt), disposable overalls, aprons, overshoes, sleeve protectors etc. may be necessary depending on the activity. Uncovered areas of skin should be avoided as far as possible, even in hot weather. If the work involves kneeling, the

lower leg area should be protected by protective trousers.

### SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

Eye/face protection

Colour: Black
Smell: Amine-like
Melting point/freezing point: Not determined

Boiling point or initial boiling point and

boiling range 2 2 0 °C (CAS: 2579-20-6 1, 3-

Cyclohexanedimethanamine)

· Flash point: 101 °C · Auto-ignition temperature: 380 °C

· pH Not determined.

· Viscosity:

Kinematic viscositydynamic:Not determined.Not determined.

· Solubility

· Water: Partly miscible

• Steam pressure at 1732 °C: 13.5 hPa (CAS: 14808-60-7 Quartz (SiO2))

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· Density and/or relative density

· Density at 20 °C 1.94 g/cm3

· 9.2 Other information

· Appearance:

· Form: Fluid

· Important information on protection of health

and environment, and on safety.

· Self-inflammability: Product is not selfigniting.

Explosive properties: Product is not explosive. However, formation of

explosive air/steam mixtures is possible.

· Information with regard to physical hazard

classes · Explosives Void · Flammable gases Void · Aerosols Void · Oxidising gases Void · Gases under pressure Void · Flammable liquids Void Flammable solids Void Void

· Self-reactive substances and mixtures · Pyrophoric liquids Void Pyrophoric solids Void Self-heating substances and mixtures Void

Substances and mixtures, which emit

flammable gases in contact with water Void · Oxidising liquids Void Oxidising solids Void Organic peroxides Void Corrosive to metals Void Desensitised explosives Void

### SECTION 10: Stability and reactivity

No further relevant information available. · 10.1 Reactivity

· 10.2 Chemical stability · Thermal decomposition /

conditions to be avoided: No decomposition if used according to specifications.

· 10.3 Possibility of hazardous

No dangerous reactions known reactions

· 10.4 Conditions to avoid No further relevant information available. · 10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous

decomposition products: No dangerous decomposition products known



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## **SECTION 11: Toxicological information**

- · 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
- · Acute toxicity Based on available data, the classification criteria are not met.

| CAS: 23/   | 9-20-6 1,3-Cyclohexane |                      |
|------------|------------------------|----------------------|
| Oral       | LD50                   | 700 mg/kg (rat)      |
| Dermal     | LD50                   | 1700 mg/kg (rat)     |
| CAS: 100   | -51-6 Benzyl alcohol   |                      |
| Oral       | LD50                   | 1230 mg/kg (rat)     |
|            | NOAEL 2nd year study   | 200 mg/kg (mouse)    |
|            |                        | 200 mg/kg (rat)      |
| Dermal     | LD50                   | 2000 mg/kg (rabbit)  |
| Inhalative | LC50/4 h               | >4178 mg/l (rat)     |
| CAS: 69-7  | 72-7 salicylic acid    |                      |
| Oral       | LD50                   | 891 mg/kg (rat)      |
| Dermal     | LD50                   | >2000 mg/kg (rat)    |
| CAS: 285   | 5-13-2 Isophorone dian | nine                 |
| Oral       | LD50                   | 1030 mg/kg (ATE)     |
|            |                        | 1030 mg/kg (rat)     |
|            | NOAEL                  | 250 mg/kg (rat)      |
| Dermal     | LD50                   | 1840 mg/kg (rabbit)  |
|            |                        | >2000 mg/kg (rat)    |
| CAS: 147   | 7-55-0 m-phenylenebis  | (methylamine)        |
| Oral       | LD50                   | 1180 mg/kg (mouse)   |
|            |                        | 930 mg/kg (rat)      |
| Dermal     | LD50                   | >3100 mg/kg (rabbit) |

• Skin corrosion/irritation Causes severe skin burns and eye damage.

· Serious eye damage/irritation Causes serious eye damage.

Respiratory or skin

**sensitisation** May cause an allergic skin reaction.

\*\*Reproductive toxicity

\*\*STOT-repeated exposure

\*\*STOT-repeated exposure

\*\*May cause an allergic skill reaction.

\*\*Based on available data, the classification criteria are not met.

\*\*Based on available data, the classification criteria are not met.

\*\*Based on available data, the classification criteria are not met.

\*\*Based on available data, the classification criteria are not met.

\*\*Causes damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.

· Aspiration hazard Based on available data, the classification criteria are not met.

· 11.2 Information on other hazards

· Endocrine disrupting properties

CAS: 61788-44-1 | 2,4,6-Tris-(1-Phenyl-Ethyl) carbolic acid

List II

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 CAS: 69-72-7
 salicylic acid
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 List II; III
 List II; III

#### **SECTION 12: Ecological information** · 12.1 Toxicity · Aquatic toxicity: CAS: 2579-20-6 1,3-Cyclohexanedimethanamine EC50/24h | 90 mg/l (Pseudokirchneriella subcapitata) 90 mg/l (Pseudomonas putida) EC50 LC50/48h 130 mg/l (Leucidus idus) CAS: 100-51-6 Benzyl alcohol IC50/72h 700 mg/l (algae) LC50/96h 460 mg/l (Pimephales promelas) 10 mg/l (Lepomis macrochirus) CAS: 2855-13-2 Isophorone diamine LC50/96h 110 mg/l (Leucidus idus) EC50 1120 mg/l (Pseudomonas putida) EC50/48h 23 mg/l (Daphnia magna) NOEC 1.5 mg/l (Desmodesmus subspicatus) 3 mg/l (Daphnia magna) ErC50/72h >50 mg/l (Desmodesmus subspicatus) CAS: 1477-55-0 m-phenylenebis(methylamine) IC50/72h 12 mg/l (algae) EC50/72h 12 mg/l (Scenedesmus subspicatus) LC50/96h >100 mg/l (Oncorhynchus mykiss) 87.6 mg/l (Ory) EC50/48h | 15.2 mg/l (Daphnia magna)

· 12.2 Persistence and

**degradability** No further relevant information available.

12.3 Bioaccumulative

potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

· 12.5 Results of PBT and vPvB assessment · PBT: Not applicable. · vPvB: Not applicable.

· 12.6 Endocrine disrupting

**properties** For information on endocrine disrupting properties see section 11.

· 12.7 Other adverse effects

· Additional ecological information:

· General notes: Do not allow product to reach ground water, water bodies or

sewage system.

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Danger to drinking water if even small quantities leak into soil.

## **SECTION 13: Disposal considerations**

· 13.1 Waste treatment methods

• Recommendation Must not be disposed of together with household garbage. Do not

allow product to reach sewage system.

· Uncleaned packagings:

• Recommendation: Empty contaminated packagings thoroughly. They can be recycled

after thorough and proper cleaning.

| 14.1 UN number or ID number<br>ADR, IMDG, IATA  | UN2735                                                            |
|-------------------------------------------------|-------------------------------------------------------------------|
| 14.2 UN proper shipping name<br>ADR, IMDG, IATA | AMINES, LIQUID, CORROSIVE, N.O.S. (1<br>Cyclohexanedimethanamine) |
| 14.3 Transport hazard class(es)                 |                                                                   |
| ADR                                             |                                                                   |
| Class                                           | 8 (C7) Corrosive substances.                                      |
| Label                                           | 8                                                                 |
| IMDG, IATA                                      |                                                                   |
| Class                                           | 8 Corrosive substances.                                           |
| Label                                           | 8                                                                 |
| 14.4 Packing group                              |                                                                   |
| ADR, IMDG, IATA                                 | II                                                                |
| 14.5 Environmental hazards:                     |                                                                   |
| Marine pollutant:                               | No                                                                |
| 14.6 Special precautions for user               | Warning: Corrosive substances.                                    |
| Kemler Number:                                  | 80                                                                |
| EMS Number:                                     | F-A,S-B                                                           |
| Segregation groups                              | (SGG18) Alkalis                                                   |
| Stowage Category                                | A                                                                 |
| Segregation Code                                | SG35 Stow "separated from" SGG1-acids                             |
| 14.7 Maritime transport in bulk accordi         | - <del>-</del>                                                    |
| IMO instruments                                 | Not applicable.                                                   |

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· Transport/Additional information:

ADR

· Limited quantities (LQ) 1L

· Excepted quantities (EQ) Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

· Transport category 2 · Tunnel restriction code E

· Remarks: 1 kg Gebinde: Begrenzte Mengen

· IMDG

· Limited quantities (LQ)

· Excepted quantities (EQ) Code: E2

Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml

· UN "Model Regulation": UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S.

(1,3-CYCLOHEXANEDIMETHANAMINE), 8, II

### **SECTION 15: Regulatory information**

· 15.1 Safety, health and environmental regulations/ legislation specific for the

**substance or mixture** No further relevant information available.

· Poisons Act

Regulated explosives precursors

None of the ingredients is listed.

· Regulated poisons

None of the ingredients is listed.

· Reportable explosives precursors

None of the ingredients is listed.

· Reportable poisons

None of the ingredients is listed.

· 15.2 Chemical safety

assessment: A Chemical Safety Assessment has not been carried out.

### **SECTION 16: Other information**

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

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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.

H361d Suspected of damaging the unborn child.

H372 Causes damage to organs through prolonged or repeated

H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.

Department issuing data specification sheet:

Environment protection department.

· Abbreviations and acronyms: RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (UK REACH)

PNEC: Predicted No-Effect Concentration (ÚK REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity - Category 4

Skin Corr. 1B: Skin corrosion/irritation - Category 1B

Skin Irrit. 2: Skin corrosion/irritation - Category 2 Eye Dam. 1: Serious eye damage/eye irritation - Category 1

Eye Irrit. 2: Serious eye damage/eye irritation - Category 2

Skin Sens. 1: Skin sensitisation - Category 1 Skin Sens. 1B: Skin sensitisation - Category 1B

Repr. 2: Reproductive toxicity - Category 2

STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic

hazard - Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic

hazard - Category 3

\* \* Data compared to the previous version altered.