

10.04.2023

Kit Components

| Product code | Description |
|--------------|-------------|
|--------------|-------------|

| | |
|------------------------|-------------|
| KIS 1665-230307 | 1665 |
|------------------------|-------------|

Components:

| | |
|-----------------|-------------------------|
| KIS 1663-220818 | 1663 - Component A 1665 |
|-----------------|-------------------------|

| | |
|-----------------|-----------------------------------|
| KIS 1664-230307 | 1664 - Component B 1665_1670_1680 |
|-----------------|-----------------------------------|

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 10.04.2023

Version number 8 (replaces version 7)

Revision: 10.04.2023

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

- 1.1 Product identifier

- Trade name: **1663 - Component A 1665**

- 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 Adhesives

- 1.3 Details of the supplier of the safety data sheet

- Manufacturer/Supplier:

Kisling AG
Motorenstrasse 102
CH-8620 Wetzikon
Tel: +41- 58-272 0 272

- Only representative (REACH) and importer (CLP):

Kisling Deutschland GmbH
Salzstraße 15
D-74676 Niedernhall
Tel +49 7940 50961 61

- Further information obtainable from: Product safety department

- Department issuing MSDS: info@kisling.com

- 1.4 Emergency telephone number:

+49-700-24 112 112 (KAR)
+1 872 5888271

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture

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

Flam. Sol. 1 H228 Flammable solid.
Skin Irrit. 2 H315 Causes skin irritation.
Eye Dam. 1 H318 Causes serious eye damage.
Skin Sens. 1 H317 May cause an allergic skin reaction.
STOT SE 3 H335 May cause respiratory irritation.

- 2.2 Label elements

- Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

- Hazard pictograms



GHS02 GHS05 GHS07

- Signal word Danger

- Hazard-determining components of labelling:

methyl methacrylate
methacrylic acid
Propylidynetrimethanol, ethoxylated, esters with acrylic acid
N,N-Bis-(2-hydroxyethyl)-para-toluidine, ethoxylated

- Hazard statements

H228 Flammable solid.

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 10.04.2023

Version number 8 (replaces version 7)

Revision: 10.04.2023

Trade name: 1663 - Component A 1665

(Contd. of page 1)

H315 Causes skin irritation.
 H318 Causes serious eye damage.
 H317 May cause an allergic skin reaction.
 H335 May cause respiratory irritation.

- Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P241 Use explosion-proof [electrical/ventilating/lighting] equipment.
 P261 Avoid breathing vapours.
 P280 Wear protective gloves / eye protection.
 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.

- Labelling of packages where the contents do not exceed 125 ml
- Hazard pictograms


GHS02 GHS05 GHS07

- Signal word Danger
- Hazard-determining components of labelling:

methyl methacrylate
 methacrylic acid
 Propylidynetrimethanol, ethoxylated, esters with acrylic acid
 N,N-Bis-(2-hydroxyethyl)-para-toluidine, ethoxylated

- Hazard statements

H318 Causes serious eye damage.
 H317 May cause an allergic skin reaction.

- Precautionary statements

P261 Avoid breathing vapours.
 P280 Wear protective gloves / eye protection.
 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.

- 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:** Adhesive

- Dangerous components:

| | | |
|----------------------------|--|--------------|
| CAS: 80-62-6 | methyl methacrylate | > 30 - ≤ 50% |
| EINECS: 201-297-1 | Flam. Liq. 2, H225; Skin Irrit. 2, H315; Skin Sens. 1, | |
| Index number: 607-035-00-6 | H317; STOT SE 3, H335 | |

(Contd. on page 3)

EU-EN

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 10.04.2023

Version number 8 (replaces version 7)

Revision: 10.04.2023

Trade name: 1663 - Component A 1665

| (Contd. of page 2) | | |
|---|---|-------------------|
| CAS: 20882-04-6 EINECS: 244-096-4 | {2-[(2-methyl-1-oxoallyl)oxy]ethyl} hydrogen succinate ----- Skin Irrit. 2, H315; Eye Irrit. 2, H319 | > 5 - < 10% |
| CAS: 79-41-4 EINECS: 201-204-4 Index number: 607-088-00-5 Reg.nr.: 01-2119463884-26-xxxx | methacrylic acid ----- Acute Tox. 3, H311; Skin Corr. 1A, H314; Eye Dam. 1, H318; Acute Tox. 4, H302; Acute Tox. 4, H332; STOT SE 3, H335 Specific concentration limit: STOT SE 3; H335: C ≥ 1% | ≥ 3 - < 5% |
| CAS: 28961-43-5 NLP: 500-066-5 Reg.nr.: 01-2119489900-30-xxxx | Propylidynetrimethanol, ethoxylated, esters with acrylic acid ----- Eye Irrit. 2, H319; Skin Sens. 1, H317 | ≥ 0.1 - < 1% |
| EC number: 911-490-9 Reg.nr.: 01-2119979579-10-xxxx | N,N-Bis-(2-hydroxyethyl)-para-toluidine, ethoxylated ----- Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Chronic 3, H412 | ≥ 0.1 - < 1% |
| CAS: 102-82-9 EINECS: 203-058-7 | tributylamine ----- Acute Tox. 3, H311; Acute Tox. 1, H330; Acute Tox. 4, H302; Skin Irrit. 2, H315 | ≤ 1% |
| CAS: 99-97-8 EINECS: 202-805-4 Index number: 612-056-00-9 Reg.nr.: 01-2119956633-31-xxxx | N,N-dimethyl-p-toluidine ----- Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 2, H330; Carc. 2, H351; STOT RE 2, H373; Aquatic Chronic 3, H412 | < 1% |
| CAS: 26741-53-7 | 3,9-Bis(2,4-di-tert.-butyl phenoxy)-2,4,8,10-tetroxa-3,9-diphosphaspiro[5.5]undecane ----- Aquatic Chronic 1, H410 | ≥ 0.025 - < 0.25% |
| CAS: 106-51-4 EINECS: 203-405-2 Index number: 606-013-00-3 | p-benzoquinone ----- Acute Tox. 3, H301; Acute Tox. 3, H331; Aquatic Acute 1, H400 (M=10); Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335 | < 0.025% |

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- 4.1 Description of first aid measures

- **General information:** Immediately remove any clothing soiled by the product.

- After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

- After skin contact:

After contact with skin, wash immediately with plenty of soap and water.

If skin irritation continues, consult a doctor.

- After eye contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

- After swallowing:

Rinse out mouth and then drink plenty of water.

If swallowed, do not induce vomiting: seek medical advice and show this container or label.

- 4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

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

No further relevant information available.

EU-EN

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 10.04.2023

Version number 8 (replaces version 7)

Revision: 10.04.2023

Trade name: 1663 - Component A 1665

(Contd. of page 3)

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**
Can form explosive gas-air mixtures.
Formation of toxic gases is possible during heating or in case of fire.
- **5.3 Advice for firefighters**
- **Protective equipment:**
Wear self-contained respiratory protective device.
Do not inhale explosion gases or combustion gases.
- **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Keep away from ignition sources.
Use respiratory protective device against the effects of fumes/dust/aerosol.
- **6.2 Environmental precautions:**
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow product to reach sewage system or any water course.
- **6.3 Methods and material for containment and cleaning up:**
Ensure adequate ventilation.
Pick up mechanically.
Flush away residues with plenty of water.
Dispose contaminated material as waste according to section 13.
- **6.4 Reference to other sections**
Fumes can combine with air to form an explosive mixture.
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 10 for information on "stability and reactivity".
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store in a cool location.
Store only in the original receptacle.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Keep receptacle tightly sealed.
Store receptacle in a well ventilated area.
- **Storage class (TRGS 510, Storage of hazardous substances in non-stationary containers):** 4.1 B

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 10.04.2023

Version number 8 (replaces version 7)

Revision: 10.04.2023

Trade name: 1663 - Component A 1665

(Contd. of page 4)

- 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

- 8.1 Control parameters

- Ingredients with limit values that require monitoring at the workplace:

80-62-6 methyl methacrylate

| | |
|------------------------|--|
| IOELV (European Union) | Short-term value: 100 ppm Long-term value: 50 ppm |
| AGW (Germany) | Long-term value: 210 mg/m ³ , 50 ppm 2(I);DFG, EU, Y |

79-41-4 methacrylic acid

| | |
|---------------|---|
| AGW (Germany) | Long-term value: 180 mg/m ³ , 50 ppm 2 (I);DFG, Y |
|---------------|---|

102-82-9 tributylamine

| | |
|---------------|--------------------------------------|
| MAK (Germany) | als Dampf und Aerosol;vgl.Abschn.IIb |
|---------------|--------------------------------------|

- DNELs

80-62-6 methyl methacrylate

| | | |
|------------|-----------------|--------------------------------|
| Dermal | Longterm System | 13.67 mg/kg bw/day (Worker) |
| Inhalative | Longterm System | 208 mg/m ³ (Worker) |

- PNECs

80-62-6 methyl methacrylate

| | |
|---------------------|------------|
| PNEC Freshwater | 0.94 mg/l |
| PNEC Freshwater sed | 5.74 mg/kg |
| PNEC Marinewater | 0.94 mg/l |
| PNEC Soil | 1.47 mg/kg |

- **Additional information:** The lists valid during the making 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:**

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

- **Respiratory protection:**

Use suitable respiratory protective device in case of insufficient ventilation.

Filter ABEK

- **Hand protection**

Protective gloves (EN 374)

Check protective gloves prior to each use for their proper condition.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 10.04.2023

Version number 8 (replaces version 7)

Revision: 10.04.2023

Trade name: 1663 - Component A 1665

(Contd. of page 5)

- Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- Eye/face protection Tightly sealed goggles**SECTION 9: Physical and chemical properties****- 9.1 Information on basic physical and chemical properties****- General Information**

| | |
|---|-------------------------|
| - Colour: | Beige |
| - Odour: | Characteristic |
| - Odour threshold: | Not determined. |
| - Melting point/freezing point: | Undetermined. |
| - Boiling point or initial boiling point and boiling range | Undetermined. |
| - Flammability | Not determined. |
| - Lower and upper explosion limit | |
| - Lower: | Not determined. |
| - Upper: | Not determined. |
| - Flash point: | 27 °C (DIN EN ISO 3679) |
| - Decomposition temperature: | Not determined. |
| - pH at 20 °C | 4 - 5 (10%) |
| - Viscosity: | |
| - Kinematic viscosity | Not applicable. |
| - Kinematic viscosity | |
| - Dynamic: | Not applicable. |
| - Solubility | |
| - water: | Insoluble. |
| - Partition coefficient n-octanol/water (log value) | Not determined. |
| - Vapour pressure: | Not applicable. |
| - Vapour pressure: | |
| - Density and/or relative density | |
| - Density at 20 °C: | 0.99 g/cm ³ |
| - Relative density | Not determined. |
| - Vapour density | Not applicable. |
| - Particle characteristics | See section 3. |

- 9.2 Other information**- Appearance:**

- Form: Pasty
ADR 2.3.4: solid

- Important information on protection of health and environment, and on safety.

- Ignition temperature: Product is not self-igniting.
- Explosive properties: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

- Solvent separation test:**- Solids content:** 100.0 %**- Change in condition****- Softening point/range****- Oxidising properties**

Not determined.

- Evaporation rate

Not applicable.

- Information with regard to physical hazard classes

| | |
|--------------------------|------|
| - Explosives | Void |
| - Flammable gases | Void |
| - Aerosols | Void |

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 10.04.2023

Version number 8 (replaces version 7)

Revision: 10.04.2023

Trade name: 1663 - Component A 1665

(Contd. of page 6)

| | |
|---|------|
| - Oxidising gases | Void |
| - Gases under pressure | Void |
| - Flammable liquids | Void |
| - Flammable solids | Void |
| Flammable solid. | |
| - Self-reactive substances and mixtures | Void |
| - 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

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions** Forms explosive gas mixture with air.
- **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 products of decomposition if used and stored according to specifications.

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.

- LD/LC50 values relevant for classification:

80-62-6 methyl methacrylate

| | | |
|------------|----------|--------------------------------|
| Oral | LD50 | 7,872 mg/kg (Rat, male/female) |
| Dermal | LD50 | > 5,000 mg/kg (Rabbit) |
| Inhalative | LC50/4 h | 78,000 mg/l (Rat, male/female) |

79-41-4 methacrylic acid

| | | |
|------------|----------|--|
| Oral | LD50 | 1,320 - 2,260 mg/kg (Rat, male/female) |
| Dermal | LD50 | 500 - 1,000 mg/kg (Rabbit) |
| Inhalative | LC50/4 h | 7,100 mg/l (Rat, male/female) |

N,N-Bis-(2-hydroxyethyl)-para-toluidine, ethoxylated

| | | |
|--------|------|---------------|
| Oral | LD50 | 619 mg/kg |
| Dermal | LD50 | > 2,000 mg/kg |

102-82-9 tributylamine

| | | |
|------------|----------|-----------------------------|
| Inhalative | LC50/4 h | 0.5 mg/l (Rat, male/female) |
|------------|----------|-----------------------------|

99-97-8 N,N-dimethyl-p-toluidine

| | | |
|------------|----------|-----------------------------|
| Inhalative | LC50/4 h | 1.4 mg/l (Rat, male/female) |
|------------|----------|-----------------------------|

(Contd. on page 8)

EU-EN

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 10.04.2023

Version number 8 (replaces version 7)

Revision: 10.04.2023

Trade name: 1663 - Component A 1665

(Contd. of page 7)

106-51-4 p-benzoquinone

| | | |
|------------|----------|------------------------------|
| Oral | LD50 | 130 mg/kg (Rat, male/female) |
| Inhalative | LC50/4 h | 0.51 mg/l |

- Skin corrosion/irritation

Causes skin irritation.

- Serious eye damage/irritation

Causes serious eye damage.

- Respiratory or skin sensitisation

May cause an allergic skin reaction.

- Germ cell mutagenicity Based on available data, the classification criteria are not met.**- Carcinogenicity** Based on available data, the classification criteria are not met.**- Reproductive toxicity** Based on available data, the classification criteria are not met.**- STOT-single exposure**

May cause respiratory irritation.

- STOT-repeated exposure Based on available data, the classification criteria are not met.**- Aspiration hazard** Based on available data, the classification criteria are not met.**- Additional toxicological information:**

No experimentally found toxicological data are available for this preparation.

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

None of the ingredients is listed.

*

SECTION 12: Ecological information**- 12.1 Toxicity****- Aquatic toxicity:** No further relevant information available.**- Toxicity to fish:****106-51-4 p-benzoquinone**

LC50/96 h | 0.472 mg/l (Fish)

- 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**

The product does not contain substances with endocrine disrupting properties.

- 12.7 Other adverse effects No further relevant information available.**- Additional ecological information:****- General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Danger to drinking water if even small quantities leak into the ground.

Do not allow product to reach ground water, water course or undiluted sewage system.

SECTION 13: Disposal considerations**- 13.1 Waste treatment methods****- Recommendation** Disposal must be made according to official regulations.**- Uncleaned packaging:****- Recommendation:** Disposal must be made according to official regulations.

EU-EN

(Contd. on page 9)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 10.04.2023

Version number 8 (replaces version 7)

Revision: 10.04.2023

Trade name: 1663 - Component A 1665

(Contd. of page 8)

SECTION 14: Transport information**- 14.1 UN number or ID number****- ADR, IMDG, IATA**

UN3175

- 14.2 UN proper shipping name**- ADR**

3175 SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (METHYL METHACRYLATE, MONOMER, STABILIZED)

- IMDG, IATA

SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (METHYL METHACRYLATE, MONOMER, STABILIZED)

- 14.3 Transport hazard class(es)**- ADR****- Class**

4.1 (F1) Flammable solids, self-reactive substances, polymerizing substances and solid desensitized explosives

- Label

4.1

- IMDG, IATA**- Class**

4.1 Flammable solids, self-reactive substances, polymerizing substances and solid desensitized explosives

- Label

4.1

- 14.4 Packing group**- ADR, IMDG, IATA**

II

- 14.5 Environmental hazards:

Not applicable.

- 14.6 Special precautions for user

Warning: Flammable solids, self-reactive substances, polymerizing substances and solid desensitized explosives

- Hazard identification number (Kemler code):

40

- EMS Number:

F-A,S-I

- Stowage Category

B

- 14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

- Transport/Additional information:**- ADR****- Limited quantities (LQ)**

1 kg

- Excepted quantities (EQ)

Code: E2

Maximum net quantity per inner packaging: 30 g

Maximum net quantity per outer packaging: 500 g

- Transport category

2

- Tunnel restriction code

E

(Contd. on page 10)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 10.04.2023

Version number 8 (replaces version 7)

Revision: 10.04.2023

Trade name: 1663 - Component A 1665

(Contd. of page 9)

| | |
|--------------------------|--|
| - UN "Model Regulation": | UN 3175 SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (METHYL METHACRYLATE, MONOMER, STABILIZED), 4.1, II |
|--------------------------|--|

SECTION 15: Regulatory information

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

- DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

- REGULATION (EU) 2019/1148

- Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

- Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

- Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

- Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

- National regulations:

- **Waterhazard class:** Water hazard class 2 (Self-assessment): hazardous for water.

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Relevant phrases

H225 Highly flammable liquid and vapour.

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H311 Toxic in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H330 Fatal if inhaled.

H331 Toxic if inhaled.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H351 Suspected of causing cancer.

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.

- **Version number of previous version:** 7

(Contd. on page 11)

EU-EN

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 10.04.2023

Version number 8 (replaces version 7)

Revision: 10.04.2023

Trade name: 1663 - Component A 1665

(Contd. of page 10)

- Abbreviations and acronyms:

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 (REACH)
 PNEC: Predicted No-Effect Concentration (REACH)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
 Flam. Liq. 2: Flammable liquids – Category 2
 Flam. Sol. 1: Flammable solids – Category 1
 Acute Tox. 4: Acute toxicity – Category 4
 Acute Tox. 3: Acute toxicity – Category 3
 Acute Tox. 1: Acute toxicity – Category 1
 Acute Tox. 2: Acute toxicity – Category 2
 Skin Corr. 1A: Skin corrosion/irritation – Category 1A
 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
 Carc. 2: Carcinogenicity – Category 2
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
 STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
 Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

- * Data compared to the previous version altered.

EU-EN

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 10.04.2023

Version number 9 (replaces version 8)

Revision: 10.04.2023

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

- 1.1 Product identifier

- Trade name: **1664 - Component B 1665 1670 1680**

- 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 Adhesives

- 1.3 Details of the supplier of the safety data sheet

- Manufacturer/Supplier:

Kisling AG
Motorenstrasse 102
CH-8620 Wetzikon
Tel: +41- 58-272 0 272

- Only representative (REACH) and importer (CLP):

Kisling Deutschland GmbH
Salzstraße 15
D-74676 Niedernhall
Tel +49 7940 50961 61

- Further information obtainable from: Product safety department

- Department issuing MSDS: info@kisling.com

- 1.4 Emergency telephone number:

+49-700-24 112 112 (KAR)
+1 872 5888271

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture

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

| | |
|-------------------|--|
| Org. Perox. E | H242 Heating may cause a fire. |
| Eye Irrit. 2 | H319 Causes serious eye irritation. |
| Skin Sens. 1 | H317 May cause an allergic skin reaction. |
| Aquatic Acute 1 | H400 Very toxic to aquatic life. |
| Aquatic Chronic 1 | H410 Very toxic 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 CLP regulation.

- Hazard pictograms



GHS02 GHS07 GHS09

- Signal word Warning

- Hazard-determining components of labelling:

dibenzoyl peroxide
bis[4-(2,3-epoxypropoxy)phenyl]propane

- Hazard statements

H242 Heating may cause a fire.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H410 Very toxic to aquatic life with long lasting effects.

(Contd. on page 2)

EU-EN

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 10.04.2023

Version number 9 (replaces version 8)

Revision: 10.04.2023

Trade name: 1664 - Component B 1665_1670_1680

(Contd. of page 1)

- Precautionary statements

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P261 Avoid breathing vapours.
- P280 Wear protective gloves / eye protection.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P410 Protect from sunlight.
- P411+P235 Store at temperatures not exceeding 30°C. Keep cool.

- Additional information:

EUH205 Contains epoxy constituents. May produce an allergic reaction.

- Labelling of packages where the contents do not exceed 125 ml**- Hazard pictograms**

GHS02 GHS07 GHS09

- Signal word Warning**- Hazard-determining components of labelling:**

dibenzoyl peroxide
bis[4-(2,3-epoxypropoxy)phenyl]propane

- Hazard statements

H317 May cause an allergic skin reaction.

- Precautionary statements

- P261 Avoid breathing vapours.
- P280 Wear protective gloves / eye protection.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

- 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:** Adhesive**- Dangerous components:**

| | | |
|---|--|---------------|
| CAS: 94-36-0 EINECS: 202-327-6 Index number: 617-008-00-0 Reg.nr.: 01-2119511472-50-xxxx | dibenzoyl peroxide Org. Perox. B, H241; Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=10); Eye Irrit. 2, H319; Skin Sens. 1, H317 | > 30 - ≤ 100% |
| CAS: 1675-54-3 EINECS: 216-823-5 Index number: 603-073-00-2 Reg.nr.: 01-2119456619-26-xxxx | bis[4-(2,3-epoxypropoxy)phenyl]propane Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317, EUH205 Specific concentration limits: Eye Irrit. 2; H319: C ≥ 5 % Skin Irrit. 2; H315: C ≥ 5 % | ≥ 2.5 - < 5% |

- Additional information: For the wording of the listed hazard phrases refer to section 16.

EU-EN

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 10.04.2023

Version number 9 (replaces version 8)

Revision: 10.04.2023

Trade name: 1664 - Component B 1665_1670_1680

(Contd. of page 2)

SECTION 4: First aid measures

- 4.1 Description of first aid measures

- General information:

Immediately remove any clothing soiled by the product.
Put contaminated clothing in water to prevent fire.

- After inhalation:

Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.

- After skin contact:

After contact with skin, wash immediately with plenty of soap and water.
If skin irritation continues, consult a doctor.

- After eye contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.

- After swallowing:

Rinse out mouth and then drink plenty of water.
If swallowed, do not induce vomiting; seek medical advice and show this container or label.

- 4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

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

No further relevant information available.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media

- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

- 5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.
May cause fire. May re-ignite itself after fire is extinguished. This material increases the risk of fire and may aid combustion. In a fire or if heated, a pressure increase will occur and the container may burst. Runoff to sewer may create fire or explosion hazard.

- 5.3 Advice for firefighters

- Protective equipment:

Wear self-contained respiratory protective device.
Do not inhale explosion gases or combustion gases.

- Additional information

Cool endangered receptacles with water spray.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.
Keep away from ignition sources.

- 6.2 Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.
Do not allow product to reach sewage system or any water course.

- 6.3 Methods and material for containment and cleaning up:

Pick up mechanically.
Flush away residues with plenty of water.
Never use saw-dust or other flammable substances.
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).
Never replace spilled product into original containers (danger of decomposition).
Dispose of the material collected according to regulations.

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 10.04.2023

Version number 9 (replaces version 8)

Revision: 10.04.2023

Trade name: 1664 - Component B 1665_1670_1680

(Contd. of page 3)

- 6.4 Reference to other sections

- See Section 7 for information on safe handling.
 See Section 8 for information on personal protection equipment.
 See Section 10 for information on "stability and reactivity".
 See Section 13 for disposal information.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling** Keep receptacles tightly sealed.
- Information about fire - and explosion protection:**
 Keep away from heat and direct sunlight.
 The product may cause fire due to release of oxygen. May be explosive, when combined with flammable substances.
 Violent release of gases on decomposition.
- 7.2 Conditions for safe storage, including any incompatibilities**
- Storage:**
- Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- Information about storage in one common storage facility:**
 Store away from flammable substances.
 Do not store together with reducing agents, heavy-metal compounds, acids and alkalis.
 Store away from foodstuffs.
- Further information about storage conditions:**
 Keep receptacle tightly sealed.
 Protect from heat and direct sunlight.
 Store in a cool place.
- Maximum storage temperature:** 30 °C
- Minimum storage temperature: 5 °C
- Storage class (TRGS 510, Storage of hazardous substances in non-stationary containers): 5.2
- 7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- 8.1 Control parameters
- Ingredients with limit values that require monitoring at the workplace:
94-36-0 dibenzoyl peroxide

| | |
|---------------|--|
| AGW (Germany) | Long-term value: 5 E mg/m ³ 1(I);DFG |
|---------------|--|

1675-54-3 bis[4-(2,3-epoxypropoxy)phenyl]propane

| | |
|---------------|------------------|
| MAK (Germany) | vgl. Abschn. IIb |
|---------------|------------------|

- DNELs
94-36-0 dibenzoyl peroxide

| | | |
|------------|-----------------|--|
| Dermal | Longterm System | 6.6 mg/kg bw/day (General population) |
| Inhalative | Acute, System | 6.6 mg/m ³ (General population) |
| | Longterm System | 11.75 mg/m ³ (General population) |

1675-54-3 bis[4-(2,3-epoxypropoxy)phenyl]propane

| | | |
|------------|-----------------|---|
| Oral | Acute, System | 0.5 mg/kg (General population) |
| Dermal | Longterm System | 0.0893 mg/kg bw/day (General population) |
| | | 0.75 mg/kg bw/day (Worker) |
| Inhalative | Longterm System | 0.89 mg/m ³ (General population) |
| | | 4.93 mg/m ³ (Worker) |

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 10.04.2023

Version number 9 (replaces version 8)

Revision: 10.04.2023

Trade name: 1664 - Component B 1665_1670_1680

(Contd. of page 4)

| - PNECs | | |
|---|----------------------|--------------------------------------|
| 94-36-0 dibenzoyl peroxide | | |
| Oral | PNEC oral | 6.67 mg/kg Food (General population) |
| | PNEC Freshwater | 0.000602 mg/l (General population) |
| | PNEC Freshwater sed | 0.338 mg/kg (General population) |
| | PNEC Marinewater | 0.000602 mg/l (General population) |
| | PNEC Soil | 0.0758 mg/kg (General population) |
| | PNEC STP | 0.35 mg/l (General population) |
| | PNEC Marinewater sed | 0.0338 mg/kg (General population) |
| No burden expected. | | |
| 1675-54-3 bis[4-(2,3-epoxypropoxy)phenyl]propane | | |
| Oral | PNEC oral | 11 mg/kg Food |
| | PNEC Freshwater | 0.006 mg/l |
| | PNEC Freshwater sed | 0.341 mg/kg |
| | PNEC Marinewater | 0.001 mg/l |
| | PNEC Soil | 0.065 mg/kg |
| | PNEC STP | 10 mg/l |
| | PNEC Marinewater sed | 0.034 mg/kg |

- **Additional information:** The lists valid during the making 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:**

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

- **Respiratory protection:**

Use suitable respiratory protective device in case of insufficient ventilation.

Filter A/P2

- **Hand protection**

Protective gloves (EN 374)

Check protective gloves prior to each use for their proper condition.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye/face protection** Tightly sealed goggles

- **Body protection:** Use protective suit.

EU-EN

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 10.04.2023

Version number 9 (replaces version 8)

Revision: 10.04.2023

Trade name: 1664 - Component B 1665_1670_1680

(Contd. of page 5)

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties

- General Information

| | |
|--|------------------------|
| - Colour: | Blue |
| - Odour: | Characteristic |
| - Odour threshold: | Not determined. |
| - Melting point/freezing point: | Undetermined. |
| - Boiling point or initial boiling point and boiling range | Undetermined. |
| - Flammability | May cause fire. |
| - Lower and upper explosion limit | |
| - Lower: | Not determined. |
| - Upper: | Not determined. |
| - Flash point: | Not applicable. |
| - Decomposition temperature: | ≥50 °C (SADT) |
| - pH at 20 °C | 6 - 7 (10%) |
| - Viscosity: | |
| - Kinematic viscosity | Not applicable. |
| - Kinematic viscosity | |
| - Dynamic: | Not applicable. |
| - Solubility | |
| - water: | Insoluble. |
| - Partition coefficient n-octanol/water (log value) | Not determined. |
| - Vapour pressure: | Not applicable. |
| - Vapour pressure: | |
| - Density and/or relative density | |
| - Density at 20 °C: | 1.15 g/cm ³ |
| - Relative density | Not determined. |
| - Vapour density | Not applicable. |
| - Particle characteristics | See section 3. |

- 9.2 Other information

| | |
|---|---|
| - Appearance: | |
| - Form: | Pasty |
| - Important information on protection of health and environment, and on safety. | |
| - Ignition temperature: | Product is not self-igniting. |
| - Explosive properties: | Product does not present an explosion hazard. |
| - Solvent separation test: | |
| - Solids content: | 100.0 % |
| - Change in condition | |
| - Softening point/range | |
| - Oxidising properties | Not determined. |
| - Evaporation rate | Not applicable. |

- 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 |
| - Self-reactive substances and mixtures | Void |
| - Pyrophoric liquids | Void |
| - Pyrophoric solids | Void |

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 10.04.2023

Version number 9 (replaces version 8)

Revision: 10.04.2023

Trade name: 1664 - Component B 1665_1670_1680

(Contd. of page 6)

| | |
|---|------|
| - 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 Heating may cause a fire. | |
| - Corrosive to metals | Void |
| - Desensitised explosives | Void |

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
SADT (Self-Accelerating Decomposition Temperature): is the lowest temperature at which self accelerating decomposition may occur with a substance in the packaging as used in transport.
A dangerous self-accelerating decomposition reaction and, under certain circumstances, explosion or fire can be caused by thermal decomposition at and above the given temperature. Contact with incompatible substances can cause decomposition at or below the SADT.
Protect from heat and direct sunlight.
- **10.3 Possibility of hazardous reactions** Reacts with heavy metals.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** Metal-salts, amines
- **10.6 Hazardous decomposition products:**
No dangerous products of decomposition if used and stored according to specifications.

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.

- LD/LC50 values relevant for classification:

1675-54-3 bis[4-(2,3-epoxypropoxy)phenyl]propane

| | | |
|--------|------|---------------------------------|
| Oral | LD50 | 15,000 mg/kg (Rat, male/female) |
| Dermal | LD50 | 23,000 mg/kg (Rabbit) |

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation**
Causes serious eye irritation.
- **Respiratory or skin sensitisation**
May cause an allergic skin reaction.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**
No experimentally found toxicological data are available for this preparation.
- **11.2 Information on other hazards**

- Endocrine disrupting properties

None of the ingredients is listed.

EU-EN

(Contd. on page 8)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 10.04.2023

Version number 9 (replaces version 8)

Revision: 10.04.2023

Trade name: 1664 - Component B 1665_1670_1680

(Contd. of page 7)

SECTION 12: Ecological information

- 12.1 Toxicity

- **Aquatic toxicity:** No further relevant information available.

- Toxicity to fish:

1675-54-3 bis[4-(2,3-epoxypropoxy)phenyl]propane

LC50/96 h | 2 mg/l (Fish)

- **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

The product does not contain substances with endocrine disrupting properties.

- **12.7 Other adverse effects** No further relevant information available.

- **Remark:** Very toxic for fish

- Additional ecological information:

- General notes:

Also very poisonous for fish and plankton in water bodies.

Very toxic for aquatic organisms

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Danger to drinking water if even small quantities leak into the ground.

Do not allow product to reach ground water, water course or undiluted sewage system.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods

- **Recommendation** Disposal must be made according to official regulations.

- Uncleaned packaging:

- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- 14.1 UN number or ID number

- **ADR, IMDG, IATA**

UN3108

- 14.2 UN proper shipping name

- **ADR**

3108 ORGANIC PEROXIDE TYPE E, SOLID (dibenzoyl peroxide), ENVIRONMENTALLY HAZARDOUS

- **IMDG**

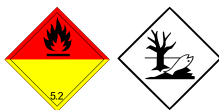
ORGANIC PEROXIDE TYPE E, SOLID (dibenzoyl peroxide), MARINE POLLUTANT

- **IATA**

ORGANIC PEROXIDE TYPE E, SOLID (dibenzoyl peroxide)

- 14.3 Transport hazard class(es)

- **ADR**



- **Class**

5.2 (P1) Organic peroxides.

(Contd. on page 9)

EU-EN

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 10.04.2023

Version number 9 (replaces version 8)

Revision: 10.04.2023

Trade name: 1664 - Component B 1665_1670_1680

(Contd. of page 8)

- Label 5.2

- IMDG



- Class 5.2 Organic peroxides.

- Label 5.2

- IATA



- Class 5.2 Organic peroxides.

- Label 5.2

- 14.4 Packing group

- ADR, IMDG, IATA Void

- 14.5 Environmental hazards:

- Marine pollutant: Symbol (fish and tree)

- Special marking (ADR): Symbol (fish and tree)

- 14.6 Special precautions for user

Warning: Organic peroxides.

- Hazard identification number (Kemler code): -

- EMS Number: F-J,S-R

- Segregation groups (SGG16) Peroxides

- Stowage Category D

- Stowage Code SW1 Protected from sources of heat.

- Segregation Code SG35 Stow "separated from" SGG1-acids

SG36 Stow "separated from" SGG18-alkalis.

- 14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

- Transport/Additional information:

- ADR

- Limited quantities (LQ) 500 g

- Excepted quantities (EQ) Code: E0

Not permitted as Excepted Quantity

- Transport category 2

- Tunnel restriction code D

- IMDG

- Limited quantities (LQ) 500 g

- Excepted quantities (EQ) Code: E0

Not permitted as Excepted Quantity

- UN "Model Regulation":

UN 3108 ORGANIC PEROXIDE TYPE E, SOLID (DIBENZOYL PEROXIDE), 5.2, ENVIRONMENTALLY HAZARDOUS

EU-EN

(Contd. on page 10)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 10.04.2023

Version number 9 (replaces version 8)

Revision: 10.04.2023

Trade name: 1664 - Component B 1665_1670_1680

(Contd. of page 9)

SECTION 15: Regulatory information

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

- DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

- REGULATION (EU) 2019/1148

- Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

- Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

- Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

- Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

- National regulations:

- **Waterhazard class:** Water hazard class 2 (Self-assessment): hazardous for water.

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Relevant phrases

H241 Heating may cause a fire or explosion.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

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.

EUH205 Contains epoxy constituents. May produce an allergic reaction.

- Version number of previous version: 8

- Abbreviations and acronyms:

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 (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Org. Perox. B: Organic peroxides – Type B

Org. Perox. E: Organic peroxides – Type E/F

Skin Irrit. 2: Skin corrosion/irritation – Category 2

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

Skin Sens. 1: Skin sensitisation – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

(Contd. on page 11)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 10.04.2023

Version number 9 (replaces version 8)

Revision: 10.04.2023

Trade name: 1664 - Component B 1665_1670_1680

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
- * **Data compared to the previous version altered.**

(Contd. of page 10)

EU-EN