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

### 1.1. Product identifier

CP-Synthofloor 8463 Part B

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

**Use of the substance/mixture**

Coatings and paints, fillers, putties, thinners

### 1.3. Details of the supplier of the safety data sheet


| | | |
|---|---|---|
| Company name: | Ceramic Polymer GmbH | |
| Street: | Daimlerring 9 | |
| Place: | DE-32289 Rödinghausen | |
| Telephone: | +49(0) 52 23 / 9 62 76-0 | Telefax: +49(0) 52 23 / 9 62 76-17 |
| e-mail: | info@ceramic-polymer.de | |
| Internet: | www.ceramic-polymer.de | |
| Responsible Department: | info@ceramic-polymer.de | |


### 1.4. Emergency telephone number:

+49(0) 551 - 1 92 40 (GIZ-Nord, 24h)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Regulation (EC) No. 1272/2008**

Hazard categories:
Flammable liquid: Flam. Liq. 4
Acute toxicity: Acute Tox. 4
Acute toxicity: Acute Tox. 4
Acute toxicity: Acute Tox. 4
Skin corrosion/irritation: Skin Corr. 1B
Serious eye damage/eye irritation: Eye Dam. 1
Respiratory or skin sensitisation: Skin Sens. 1
Hazardous to the aquatic environment: Aquatic Chronic 3
Hazard Statements:
Combustible liquid.
Harmful if swallowed, in contact with skin or if inhaled.
Causes severe skin burns and eye damage.
May cause an allergic skin reaction.
Harmful to aquatic life with long lasting effects.

### 2.2. Label elements

**Regulation (EC) No. 1272/2008**

**Hazard components for labelling**

benzyl alcohol
3-aminomethyl-3,5,5-trimethylcyclohexylamin
polymer based on dipropylenetriamine

**Signal word:** Danger

**Pictograms:**

**Hazard statements**

H227 Combustible liquid.

| | |
|---|---|
| H302+H312+H332 | Harmful if swallowed, in contact with skin or if inhaled. |
| H314 | Causes severe skin burns and eye damage. |
| H317 | May cause an allergic skin reaction. |
| H412 | Harmful to aquatic life with long lasting effects. |

**Precautionary statements**

| | |
|---|---|
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray. |
| P309+P311 | IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician. |
| P333+P313 | If skin irritation or rash occurs: Get medical advice/attention. |
| P337+P313 | If eye irritation persists: Get medical advice/attention. |
| P304+P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P361+P364 | Take off immediately all contaminated clothing and wash it before reuse. |
| P273 | Avoid release to the environment. |
| P270 | Do not eat, drink or smoke when using this product. |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed. |

### 2.3. Other hazards

No information available.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

**Hazardous components**

| CAS No | Chemical name | | | Quantity |
|---|---|---|---|---|
| | EC No | Index No | REACH No | |
| | Classification according to Regulation (EC) No. 1272/2008 [CLP] | | | |
| 100-51-6 | benzyl alcohol | | | 30-50 % |
| | 202-859-9 | 603-057-00-5 | 01-2119492630-38 | |
| | Acute Tox. 4, Acute Tox. 4; H302 H332 | | | |
| 2855-13-2 | 3-aminomethyl-3,5,5-trimethylcyclohexylamin | | | 20-35 % |
| | 220-666-8 | 612-067-00-9 | 01-2119514687-32 | |
| | Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B, Skin Sens. 1, Aquatic Chronic 3; H302 H312 H314 H317 H412 | | | |
| 161278-35-9 | polymer based on dipropylenetriamine | | | 10-25 % |
| | | | | |
| | Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B, Skin Sens. 1; H302 H312 H314 H317 | | | |

Full text of H and EUH statements: see section 16.

**Further Information**

No information available.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**General information**

Change contaminated, saturated clothing. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

**After inhalation**

In case of inhalation of decomposition products, affected person should be moved into fresh air and kept still.

**After contact with skin**

After contact with skin, wash immediately with plenty of water and soap. Seek medical advice immediately.
Do not wash with: Solvents/Thinner

**After contact with eyes**

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

**After ingestion**

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.
Do NOT induce vomiting.

**4.2. Most important symptoms and effects, both acute and delayed**

Immediate medical treatment required because corrosive injuries that are not treated are hard to cure.
Symptoms may develop several hours following exposure; medical observation therefore necessary for at least 48 hours.

**4.3. Indication of any immediate medical attention and special treatment needed**

First Aid, decontamination, treatment of symptoms.
After contact with skin, wash immediately with plenty of Lutrol.

## SECTION 5: Firefighting measures

**5.1. Extinguishing media**

**Suitable extinguishing media**

Dry extinguishing powder. Carbon dioxide (CO2). alcohol resistant foam. Water spray jet

**Unsuitable extinguishing media**

High power water jet

**5.2. Special hazards arising from the substance or mixture**

Carbon monoxide Carbon dioxide (CO2). Nitrogen oxides (NOx)

**5.3. Advice for firefighters**

Special protective equipment for firefighters: Protective clothing. In case of fire: Wear self-contained breathing apparatus.

**Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## SECTION 6: Accidental release measures

**6.1. Personal precautions, protective equipment and emergency procedures**

See protective measures under point 7 and 8.
Provide adequate ventilation.
Personal protection equipment: see section 8
Remove persons to safety.
Do not touch or tread spilled product.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains. Cover drains. Adverse environmental effects

**6.3. Methods and material for containment and cleaning up**

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

**6.4. Reference to other sections**

See protective measures under point 7 and 8. Disposal: see section 13

## SECTION 7: Handling and storage

**7.1. Precautions for safe handling**

**Advice on safe handling**

See section 8. Wear personal protection equipment (refer to section 8). Keep container tightly closed.

**Advice on protection against fire and explosion**

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

### 7.2. Conditions for safe storage, including any incompatibilities

**Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place. Keep/Store only in original container.

**Advice on storage compatibility**

Keep away from:
Food and feedingstuffs
Oxidising agent

**Further information on storage conditions**

Keep away from:
Frost
Heat
Humidity

### 7.3. Specific end use(s)

No information available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

**DNEL/DMEL values**

| CAS No | Substance | | | |
|---|---|---|---|---|
| DNEL type | | Exposure route | Effect | Value |
| 100-51-6 | benzyl alcohol | | | |
| Worker DNEL, long-term | | inhalation | systemic | 22 mg/m³ |
| Worker DNEL, acute | | inhalation | systemic | 110 mg/m³ |
| Worker DNEL, long-term | | dermal | systemic | 8 mg/kg bw/day |
| Worker DNEL, acute | | dermal | systemic | 40 mg/kg bw/day |
| Consumer DNEL, long-term | | inhalation | systemic | 5,4 mg/m³ |
| Consumer DNEL, acute | | inhalation | systemic | 27 mg/m³ |
| Consumer DNEL, long-term | | dermal | systemic | 4 mg/kg bw/day |
| Consumer DNEL, acute | | dermal | systemic | 20 mg/kg bw/day |
| Consumer DNEL, long-term | | oral | systemic | 4 mg/kg bw/day |
| Consumer DNEL, acute | | oral | systemic | 20 mg/kg bw/day |
| , | | | | |
| 2855-13-2 | 3-aminomethyl-3,5,5-trimethylcyclohexylamin | | | |
| Worker DNEL, long-term | | inhalation | local | 0,073 mg/m³ |
| Worker DNEL, acute | | inhalation | local | 0,073 mg/m³ |
| Consumer DNEL, long-term | | oral | systemic | 0,526 mg/kg bw/day |

**PNEC values**

| CAS No | Substance | |
|---|---|---|
| Environmental compartment | | Value |
| 100-51-6 | benzyl alcohol | |
| Freshwater | | 1 mg/l |
| Marine water | | 0,1 mg/l |
| Freshwater sediment | | 5,27 mg/kg |
| Marine sediment | | 0,527 mg/kg |
| Micro-organisms in sewage treatment plants (STP) | | 39 mg/l |
| Soil | | 0,456 mg/kg |
| 2855-13-2 | 3-aminomethyl-3,5,5-trimethylcyclohexylamin | |
| Freshwater | | 0,06 mg/l |
| Marine water | | 0,006 mg/l |
| Freshwater sediment | | 5,784 mg/kg |
| Marine sediment | | 0,578 mg/kg |
| Soil | | 1,121 mg/kg |

### 8.2. Exposure controls

**Appropriate engineering controls**

Provide adequate ventilation as well as local exhaustion at critical locations.

**Protective and hygiene measures**

Work in well-ventilated zones or use proper respiratory protection. Only wear fitting, comfortable and clean protective clothing. Avoid contact with skin, eyes and clothes. Wash hands and face before breaks and after work and take a shower if necessary.

**Eye/face protection**

Suitable eye protection:
Eye glasses with side protection,
goggles

**Hand protection**

Suitable gloves type:
NBR (Nitrile rubber)DIN EN 374,
Butyl caoutchouc (butyl rubber) DIN EN 374.
Wear cotton undermitten if possible.

**Skin protection**

Protective clothing

**Respiratory protection**

If technical exhaust or ventilation measures are not possible or insufficient , respiratory protection must be worn.
Combination filtering device (EN 14387) A-P3
Self-contained respirator (breathing apparatus) (DIN EN 133)

## SECTION 9: Physical and chemical properties

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

| | |
|---|---|
| Physical state: | liquid |
| Colour: | |
| Odour: | characteristic |

**Test method**

| | |
|---|---|
| pH-Value: | not determined |
| **Changes in the physical state** | |
| Melting point: | not determined |
| Initial boiling point and boiling range: | not determined |
| Sublimation point: | not determined |
| Softening point: | not determined |
| Pour point: | not determined |
| Flash point: | 90 °C |
| **Flammability** | |
| Solid: | not determined |
| Gas: | not determined |
| **Explosive properties** | |
| No information available. | |
| Lower explosion limits: | not determined |
| Upper explosion limits: | not determined |
| Ignition temperature: | >400 °C |
| **Auto-ignition temperature** | |
| Solid: | not determined |
| Gas: | not determined |
| Decomposition temperature: | not determined |
| **Oxidizing properties** | |
| No information available. | |
| Vapour pressure: (at 25 °C) | not determined |
| Density (at 23 °C): | 1,1 g/cm³ |
| Water solubility: | not determined |
| **Solubility in other solvents** | |
| No information available. | |
| Partition coefficient: | not determined |
| Viscosity / dynamic: (at 23 °C) | 400 mPa·s |
| Vapour density: | not determined |
| Evaporation rate: | not determined |

**9.2. Other information**

No information available.

## SECTION 10: Stability and reactivity

**10.1. Reactivity**

The product is stable under storage at normal ambient temperatures.

**10.2. Chemical stability**

The substance is chemically stable under recommended conditions of storage, use and temperature.

**10.3. Possibility of hazardous reactions**

Reacts with: Acid, Oxidising agent

**10.4. Conditions to avoid**

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

**10.5. Incompatible materials**

Acid, Oxidising agent

**10.6. Hazardous decomposition products**

Does not decompose when used for intended uses. Thermal decomposition can lead to the escape of irritating gases and vapours.

## SECTION 11: Toxicological information

**11.1. Information on toxicological effects**

**Acute toxicity**

Harmful if swallowed, in contact with skin or if inhaled.

**ATEmix calculated**

ATE (oral) 872,0 mg/kg; ATE (dermal) 2000,0 mg/kg; ATE (inhalative aerosol) 3,333 mg/l

| CAS No | Chemical name | | | | |
|---|---|---|---|---|---|
| | Exposure route | Dose | | Species | Source |
| 100-51-6 | benzyl alcohol | | | | |
| | oral | LD50 | 1620 mg/kg | Rat | |
| | inhalative vapour | ATE | 11 mg/l | | |
| | inhalative (4 h) aerosol | LC50 | >4178 mg/l | Rat | |
| 2855-13-2 | 3-aminomethyl-3,5,5-trimethylcyclohexylamin | | | | |
| | oral | LD50 | 1030 mg/kg | Rat | |
| | dermal | ATE | 1100 mg/kg | | |
| 161278-35-9 | polymer based on dipropylenetriamine | | | | |
| | oral | ATE | 500 mg/kg | | |
| | dermal | ATE | 1100 mg/kg | | |

**Irritation and corrosivity**

Causes severe skin burns and eye damage.

**Sensitising effects**

May cause an allergic skin reaction. (3-aminomethyl-3,5,5-trimethylcyclohexylamin), (polymer based on dipropylenetriamine)

**Carcinogenic/mutagenic/toxic effects for reproduction**

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.

## SECTION 12: Ecological information

**12.1. Toxicity**

| CAS No | Chemical name | | | | | |
|---|---|---|---|---|---|---|
| | Aquatic toxicity | Dose | | [h] \| [d] | Species | Source |
| 100-51-6 | benzyl alcohol | | | | | |
| | Acute fish toxicity | LC50 | 460 mg/l | 96 h | | |
| | Acute algae toxicity | ErC50 | 770 mg/l | 72 h | | |
| | Acute crustacea toxicity | EC50 | 230 mg/l | 48 h | Daphnia magna (Big water flea) | |
| | Algea toxicity | NOEC | 51 mg/l | 3 d | | |
| | Crustacea toxicity | NOEC | 310 mg/l | 21 d | | |
| 2855-13-2 | 3-aminomethyl-3,5,5-trimethylcyclohexylamin | | | | | |
| | Acute fish toxicity | LC50 | 110 mg/l | 96 h | | |
| | Acute algae toxicity | ErC50 | 37 mg/l | 72 h | | |

**12.2. Persistence and degradability**

| CAS No | Chemical name | | | |
|---|---|---|---|---|
| | Method | Value | d | Source |
| | Evaluation | | | |
| 100-51-6 | benzyl alcohol | | | |
| | OECD 301A/ ISO 7827/ EEC 92/69/V, C.4-A | 95 - 97% | 21 | |
| 2855-13-2 | 3-aminomethyl-3,5,5-trimethylcyclohexylamin | | | |
| | OECD 301A/ ISO 7827/ EEC 92/69/V, C.4-A | 8 % | 28 | |

**12.3. Bioaccumulative potential**

**Partition coefficient n-octanol/water**

| CAS No | Chemical name | Log Pow |
|---|---|---|
| 100-51-6 | benzyl alcohol | 1,1 |
| 2855-13-2 | 3-aminomethyl-3,5,5-trimethylcyclohexylamin | 0,99 |

**BCF**

| CAS No | Chemical name | BCF | Species | Source |
|---|---|---|---|---|
| 100-51-6 | benzyl alcohol | 1 | | |

**12.4. Mobility in soil**

No information available.

**12.5. Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**12.6. Other adverse effects**

No information available.

## SECTION 13: Disposal considerations

**13.1. Waste treatment methods**

**Advice on disposal**

Dispose of waste according to applicable legislation.

**Contaminated packaging**

Non-contaminated packages may be recycled. Dispose of waste according to applicable legislation.

## SECTION 14: Transport information

**Land transport (ADR/RID)**

**14.1. UN number:** UN 2735

| | |
|---|---|
| **14.2. UN proper shipping name:** | AMINES, LIQUID, CORROSIVE, N.O.S. (Isophorondiamine, polymer based on dipropylenetriamine) |
| **14.3. Transport hazard class(es):** | 8 |
| **14.4. Packing group:** | III |
| Hazard label: | 8 |
| Classification code: | C7 |
| Special Provisions: | 274 |
| Limited quantity: | 5 L |
| Transport category: | 3 |
| Hazard No: | 80 |
| Tunnel restriction code: | E |

**Other applicable information (land transport)**

E1
E2

**Inland waterways transport (ADN)**

| | |
|---|---|
| **14.1. UN number:** | UN 2735 |
| **14.2. UN proper shipping name:** | AMINES, LIQUID, CORROSIVE, N.O.S. (Isophorondiamine, polymer based on dipropylenetriamine) |
| **14.3. Transport hazard class(es):** | 8 |
| **14.4. Packing group:** | III |
| Hazard label: | 8 |
| Classification code: | C7 |
| Special Provisions: | 274 |
| Limited quantity: | 5 L |

**Other applicable information (inland waterways transport)**

E1
E2

**Marine transport (IMDG)**

| | |
|---|---|
| **14.1. UN number:** | UN 2735 |
| **14.2. UN proper shipping name:** | AMINES, LIQUID, CORROSIVE, N.O.S. (Isophorondiamine, polymer based on dipropylenetriamine) |
| **14.3. Transport hazard class(es):** | 8 |
| **14.4. Packing group:** | III |
| Hazard label: | 8 |
| Special Provisions: | 223, 274 |
| Limited quantity: | 5 L |
| EmS: | F-A, S-B |
| Segregation group: | 18 - alkalis |

**Other applicable information (marine transport)**

E1
E2

**Air transport (ICAO)**

| | |
|---|---|
| **14.1. UN number:** | UN 2735 |
| **14.2. UN proper shipping name:** | AMINES, LIQUID, CORROSIVE, N.O.S. (Isophorondiamine, polymer based on dipropylenetriamine) |
| **14.3. Transport hazard class(es):** | 8 |
| **14.4. Packing group:** | III |
| Hazard label: | 8 |
| Special Provisions: | A3 A803 |

| | |
|---|---|
| Limited quantity Passenger: | 1 L |
| IATA-packing instructions - Passenger: | 852 |
| IATA-max. quantity - Passenger: | 5 L |
| IATA-packing instructions - Cargo: | 856 |
| IATA-max. quantity - Cargo: | 60 L |

**Other applicable information (air transport)**

E1
Passenger-LQ: Y964
E2
Passenger-LQ: Y840
Passenger-LQ: Y841

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

**14.6. Special precautions for user**

No information available.

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

No information available.

## SECTION 15: Regulatory information

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

**National regulatory information**

| | |
|---|---|
| Employment restrictions: | Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe employment restrictions for women of child-bearing age. |
| Water contaminating class (D): | 2 - water contaminating |

**15.2. Chemical safety assessment**

For the following substances of this mixture a chemical safety assessment has been carried out:
benzyl alcohol
3-aminomethyl-3,5,5-trimethylcyclohexylamin

## SECTION 16: Other information

**Changes**

This data sheet contains changes from the previous version in section(s): 1.

**Abbreviations and acronyms**

ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road )
RID:Règlement international conernat le transport des marchandises dangereuses par chemin de fer
(Regulations Concerning the International Transport of Dangerous Goods by Rail )
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Refulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
CAS: Chemical Abstracts Service (division of the American Chemical Society)
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
CLP: Regulation on Classification, Labelling and Packaging of Substances and Mixtures,
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent

EC50: Effectice concentration, 50 percent
DNEL: Derived No Effect Level
PNEC: Predicted No Effect Concentration
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative

**Relevant H and EUH statements (number and full text)**

| | |
|---|---|
| H227 | Combustible liquid. |
| H302 | Harmful if swallowed. |
| H302+H312+H332 | Harmful if swallowed, in contact with skin or if inhaled. |
| H312 | Harmful in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H317 | May cause an allergic skin reaction. |
| H332 | Harmful if inhaled. |
| H412 | Harmful to aquatic life with long lasting effects. |

**Further Information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*