

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Mega-A Powder

Revision date: 16.12.2019

Product code: 140

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SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Provide fresh air. If breathing is irregular or stopped, administer artificial respiration. Medical treatment necessary.

After contact with skin

After contact with skin, wash immediately with polyethylene glycol, followed by plenty of water. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion

Rinse mouth immediately and drink plenty of water.

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

No information available. Immediate medical treatment required because corrosive injuries that are not treated are hard to cure.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

5.2. Special hazards arising from the substance or mixture

Carbon monoxide , Carbon dioxide (CO₂) , organic decomposition products

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Do not inhale explosion and combustion gases.

Dust may form explosive mixtures with air

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

General measures

Avoid dust formation. Do not breathe dust. Avoid contact with skin, eyes and clothes. Use personal protection equipment. Wear breathing apparatus if exposed to vapours/dusts/aerosols. Provide adequate ventilation as well as local exhaust at critical locations. Special danger of slipping by leaking/spilling product.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Other information

Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal . ventilate room

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

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Disposal: see section 13

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Für ausreichend Belüftung sorgen. Do not breathe dust/fume/gas/mist/vapours/spray.

Avoid contact with skin. Avoid contact with eyes.

Use personal protection equipment.

Handle and open container with care. Avoid dust formation. Do not use a dry brush as dust clouds or static can be created. Danger of dust explosion. Take precautionary measures against static discharges.

Advice on protection against fire and explosion

Risk of explosion by shock, friction, fire or other sources of ignition (R2). Take precautionary measures against static discharges. Take precautionary measures against static discharges. After contact with molten product, cool skin area rapidly with cold water. In case of fire, cool container with water.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed.

Hints on joint storage

No special measures are necessary.

7.3. Specific end use(s)

Cold curing resin for repairs and relining

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure limits (EH40)**

| CAS No | Substance | ppm | mg/m ³ | fibres/ml | Category | Origin |
|---------|---------------------|-----|-------------------|-----------|---------------|--------|
| 94-36-0 | Dibenzoyl peroxide | - | 5 | | TWA (8 h) | WEL |
| 80-62-6 | Methyl methacrylate | 50 | 208 | | TWA (8 h) | WEL |
| | | 100 | 416 | | STEL (15 min) | WEL |

DNEL/DMEL values

| CAS No | Substance | | | |
|----------------|--------------------------------------|----------|-------------------------|--|
| DNEL type | Exposure route | Effect | Value | |
| 94-36-0 | dibenzoyl peroxide; benzoyl peroxide | | | |
| Worker DNEL, | inhalation | systemic | 11,75 mg/m ³ | |
| Worker DNEL, | dermal | systemic | 6,6 mg/kg bw/day | |
| Consumer DNEL, | inhalation | systemic | 2,9 mg/m ³ | |
| Consumer DNEL, | dermal | systemic | 3,3 mg/kg bw/day | |
| Consumer DNEL, | oral | systemic | 1,65 mg/kg bw/day | |

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PNEC values

| CAS No | Substance | |
|--|--------------------------------------|---------------|
| Environmental compartment | | Value |
| 94-36-0 | dibenzoyl peroxide; benzoyl peroxide | |
| Freshwater | | 0,000602 mg/l |
| Marine water | | 0,00006 mg/l |
| Freshwater sediment | | ,338 mg/l |
| Secondary poisoning | | 6,67 mg/l |
| Micro-organisms in sewage treatment plants (STP) | | ,35 mg/l |
| Soil | | 0,0758 mg/l |

8.2. Exposure controls**Appropriate engineering controls**

Atem

Protective and hygiene measures

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

Eye/face protection

Wear eye/face protection.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Wear suitable protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection., kurzzeitig Filtergerät, Filter P1

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

Physical state: solid
 Colour: white or pink

Test method

pH-Value: nicht anwendbar

Changes in the physical state

Melting point: not determined

Boiling point or initial boiling point and boiling range: Data not available

Softening point: 110 °C

Flash point: >250 °C ASTM D 1929-68

Sustaining combustion: Not sustaining combustion

Flammability

Solid/liquid: not determined

Gas: not applicable

Lower explosion limits: not determined

Upper explosion limits: not determined

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Auto-ignition temperature: >400 °C ASTM D 1929-68

Self-ignition temperature

Solid: not determined

Gas: not applicable

Decomposition temperature: not determined

Vapour pressure: not determined

Density (at 20 °C): 1,16 g/cm³ ASTM D 1296Bulk density (at 20 °C): 700-750 kg/m³ ISO 1183 (A)

Water solubility: unlöslich OECD 116

Solubility in other solvents

not determined

Partition coefficient n-octanol/water: not determined

Relative vapour density: not determined

Evaporation rate: not determined

9.2. Other information

Solid content: not determined

Nel caso di prodotti organici polverosi, è generalmente prevedibile la possibilità di esplosioni di polveri.

SECTION 10: Stability and reactivity**10.1. Reactivity**

Oxidizing.

10.3. Possibility of hazardous reactions

with alkali metals, acids, lyes, bases, lyes, oxidizing agents, metals

10.4. Conditions to avoid

Avoid dust-producing activities

Depolymerization begins at 250 °C.

10.5. Incompatible materials

Keep away from combustible material.

Keep away from oxidizing agents

10.6. Hazardous decomposition products

In the case of thermal decomposition, formation of combustible vapors that irritate the eyes and respiratory system, consisting mainly of: methyl methacrylate

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity**

| CAS No | Chemical name | | | | |
|---------|--------------------------------------|------------------|---------|--------|--------|
| | Exposure route | Dose | Species | Source | Method |
| 94-36-0 | dibenzoyl peroxide; benzoyl peroxide | | | | |
| | oral | LD50 >5000 mg/kg | Ratte | | |
| | dermal | Data lacking | | | |
| | inhalation (4 h) vapour | LC50 24,3 mg/l | | | |

Additional information on tests

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

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SECTION 12: Ecological information**12.1. Toxicity**

The product is not: Ecotoxic.

| CAS No | Chemical name | | | | | |
|---------|--------------------------------------|---------------|-----------|---------|----------------|--------|
| | Aquatic toxicity | Dose | [h] [d] | Species | Source | Method |
| 94-36-0 | dibenzoyl peroxide; benzoyl peroxide | | | | | |
| | Acute fish toxicity | LC50 mg/l | 0,06 | 96 h | Süßwasserfisch | |
| | Acute algae toxicity | ErC50 mg/l | 0,06 | 72 h | Süßwasseralge | |
| | Acute crustacea toxicity | EC50 | 0,11 mg/l | 48 h | Wasserfloh | |
| | Acute bacteria toxicity | (35 mg/l) | | | | |

12.2. Persistence and degradability

The product has not been tested.

12.3. Bioaccumulative potential

The product has not been tested.

BCF

| CAS No | Chemical name | BCF | Species | Source |
|---------|--------------------------------------|------|---------|--------|
| 94-36-0 | dibenzoyl peroxide; benzoyl peroxide | 66,6 | | |

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The product has not been tested.

12.7. Other adverse effects

No information available.

Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information**14.6. Special precautions for user**

No information available.

14.7. Maritime transport in bulk according to IMO instruments

not applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

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EU regulatory information

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

National regulatory information

Water hazard class (D): 3 - highly hazardous to water
 Skin resorption/Sensitization: Causes allergic hypersensitivity reactions.

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information**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)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 GHS: Globally Harmonized 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
 LC50: Lethal concentration, 50%
 LD50: Lethal dose, 50%

Relevant H and EUH statements (number and full text)

H241 Heating may cause a fire or explosion.
 H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.
 H400 Very toxic to aquatic life.
 EUH208 Contains dibenzoyl peroxide; benzoyl peroxide. May produce an allergic reaction.
 EUH210 Safety data sheet available on request.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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