

Safety Data Sheet

DEGADECK CSP

Revision date : 2012/03/02

Version: 1.1

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(30562033/SDS_GEN_US/EN)

1. Product and Company Identification

Company

BASF CORPORATION
100 Campus Drive
Florham Park, NJ 07932, USA

24 Hour Emergency Response Information

CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP

2. Hazards Identification

Emergency overview

WARNING:

FLAMMABLE LIQUID AND VAPOR.
MAY BE HARMFUL IF SWALLOWED.
MAY CAUSE ALLERGIC SKIN REACTION.
MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.
Avoid contact with the skin, eyes and clothing.
Wash thoroughly after handling.
Keep container tightly closed.
Avoid all sources of ignition: heat, sparks, open flame.

State of matter: liquid
Colour: colourless
Odour: solvent-like

Potential health effects**Primary routes of exposure:**

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

Irritation / corrosion:

Irritating to respiratory system and skin.

Sensitization:

May cause sensitization by skin contact.

Signs and symptoms of overexposure:

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Potential environmental effects**Aquatic toxicity:**

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The product has not been tested.

3. Composition / Information on Ingredients

| <u>CAS Number</u> | <u>Content (W/W)</u> | <u>Chemical name</u> |
|-------------------|----------------------|----------------------|
| 80-62-6 | >= 60.0 - <= 100.0 % | Methyl methacrylate |

4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. Remove contaminated clothing.

If inhaled:

Remove the affected individual into fresh air and keep the person calm. If breathing difficulties develop, aid in breathing and seek immediate medical attention.

If on skin:

Wash thoroughly with soap and water. Under no circumstances should organic solvent be used. If irritation develops, seek medical attention.

If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

If swallowed:

Rinse mouth and then drink plenty of water. Do not induce vomiting due to aspiration hazard. Do not induce vomiting unless told to by a poison control center or doctor.

5. Fire-Fighting Measures

| | | |
|----------------------------|-----------|-------------------|
| Flash point: | 10 °C | (DIN 53213-1) |
| Autoignition: | 430 °C | |
| Lower explosion limit: | 2.1 %(V) | (air) |
| Upper explosion limit: | 12.5 %(V) | (air) |
| Self-ignition temperature: | | not self-igniting |

Suitable extinguishing media:

dry powder, alcohol-resistant foam

Unsuitable extinguishing media for safety reasons:

water jet

Protective equipment for fire-fighting:

Wear a self-contained breathing apparatus.

Further information:

The degree of risk is governed by the burning substance and the fire conditions. Containers may rocket or explode in heat of fire. Keep containers cool by spraying with water if exposed to fire. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental release measures

Personal precautions:

Use personal protective clothing. Avoid prolonged inhalation. Avoid contact with the skin, eyes and clothing. Avoid all sources of ignition: heat, sparks, open flame.

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Environmental precautions:

Notify proper authorities. Do not discharge into drains/surface waters/groundwater. Substance/product is RCRA hazardous due to its properties.

Cleanup:

For large amounts: Pump off product.
For residues: Pick up with inert absorbent material (e.g. sand, earth etc.). Correctly dispose of recovered product immediately.

7. Handling and Storage

Handling

General advice:

Take precautionary measures against static discharges. Keep away from sources of ignition - No smoking. Provide good room ventilation even at ground level (vapours are heavier than air).

Protection against fire and explosion:

Sources of ignition should be kept well clear. Take precautionary measures against static discharges. Substance/product can form explosive mixture with air. Vapours are heavier than air and may accumulate in low areas and travel a considerable distance up to the source of ignition.

Storage

General advice:

Keep container tightly closed and in a well-ventilated place. Keep away from heat. Avoid all sources of ignition: heat, sparks, open flame.

Storage incompatibility:

General advice: Segregate from foods and animal feeds.

8. Exposure Controls and Personal Protection

Components with workplace control parameters

| | | | | | |
|---------------------|-------|-----------|---------|-----------------------|----------------------|
| Methyl methacrylate | OSHA | PEL | 100 ppm | 410 mg/m ³ | ; |
| | ACGIH | TWA value | 50 ppm | ; | STEL value 100 ppm ; |

Personal protective equipment

General safety and hygiene measures:

When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks).

9. Physical and Chemical Properties

| | | |
|-------------------------|------------------------|-------------------------------------|
| Form: | liquid | |
| Odour: | solvent-like | |
| Colour: | colourless | |
| pH value: | | (20 °C) not applicable |
| Melting temperature: | -48 °C | (1,013 hPa) |
| boiling temperature: | 100 °C | (1,013 hPa) |
| Density: | 0.97 g/cm ³ | (20 °C) |
| Bulk density: | | (23 °C) not applicable |
| Viscosity, dynamic: | 10 mPa.s | (20 °C) |
| Solubility in water: | | (20 °C) |
| Miscibility with water: | | (20 °C) partially (e.g. >10% <90%) |

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10. Stability and Reactivity

Conditions to avoid:

See MSDS section 7 - Handling and storage.

Substances to avoid:

strong oxidizing agents

Hazardous reactions:

No hazardous reactions if stored and handled as prescribed/indicated.

Decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:

Vapours may form explosive mixture with air. No decomposition if stored and handled as prescribed/indicated.

11. Toxicological information

Acute toxicity

Information on: Methyl methacrylate

Assessment of acute toxicity:

Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact. Virtually nontoxic by inhalation.

Irritation / corrosion

Information on: Methyl methacrylate

Assessment of irritating effects:

Irritating to skin. Not irritating to the eyes.

Sensitization

Information on: Methyl methacrylate

Assessment of sensitization:

Caused skin sensitization in animal studies.

12. Ecological Information

Degradability / Persistence

Biological / Abiological Degradation

Evaluation:

Inherently biodegradable.

The insoluble fraction can be removed by mechanical means in suitable waste water treatment plants.

Bioaccumulation

No data available concerning bioaccumulation.

Other adverse effects:

Do not allow to enter soil, waterways or waste water channels. The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

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13. Disposal considerations

Waste disposal of substance:

Dispose of in accordance with national, state and local regulations.

Container disposal:

Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

14. Transport Information

Land transport

USDOT

Hazard class: 3
Packing group: II
ID number: UN 1866
Hazard label: 3
Proper shipping name: RESIN SOLUTION

Sea transport

IMDG

Hazard class: 3
Packing group: II
ID number: UN 1866
Hazard label: 3
Marine pollutant: NO
Proper shipping name: RESIN SOLUTION

Air transport

IATA/ICAO

Hazard class: 3
Packing group: II
ID number: UN 1866
Hazard label: 3
Proper shipping name: RESIN SOLUTION

15. Regulatory Information

Federal Regulations

Registration status:

Chemical TSCA, US released / listed

OSHA hazard category:

Chronic target organ effects reported; ACGIH TLV established; Flammable Liquid

EPCRA 311/312 (Hazard categories):

Acute; Chronic; Fire; Sudden release of pressure

EPCRA 313:

CAS Number

80-62-6

Chemical name

Methyl methacrylate

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| | | |
|------------------------------|------------------------------|---|
| <u>CERCLA RQ</u> 1000 LBS | <u>CAS Number</u> 80-62-6 | <u>Chemical name</u> Methyl methacrylate |
|------------------------------|------------------------------|---|

State regulations

| | | |
|--------------------------------|------------------------------|---|
| <u>State RTK</u> MA, NJ, PA | <u>CAS Number</u> 80-62-6 | <u>Chemical name</u> Methyl methacrylate |
|--------------------------------|------------------------------|---|

16. Other Information

HMIS III rating

Health: 2 Flammability: 3 Physical hazard: 2

NFPA and HMIS use a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates extreme danger. Although similar, the two rating systems are intended for different purposes, and use different criteria. The NFPA system was developed to provide an on-the-spot alert to the hazards of a material, and their severity, to emergency responders. The HMIS system was designed to communicate workplace hazard information to employees who handle hazardous chemicals.

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

MSDS Prepared by:

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MSDS Prepared on: 2012/03/02

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