

Safety Data Sheet

DEGADUR R71

Revision date : 2013/10/29
Version: 1.0

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(30416069/SDS_GEN_US/EN)

1. Product and Company Identification

Company
BASF CORPORATION
100 Park Avenue
Florham Park, NJ 07932, USA

24 Hour Emergency Response Information
CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP (4357)

2. Hazards Identification

Emergency overview

WARNING:
FLAMMABLE LIQUID AND VAPOR.
CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION.
MAY BE HARMFUL IF SWALLOWED.
MAY CAUSE ALLERGIC SKIN REACTION.
Keep container tightly closed.
Avoid all sources of ignition: heat, sparks, open flame.

State of matter: liquid
Colour: light blue
Odour: sweetish, ester-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.

Acute toxicity:

The product has not been tested. The statement has been derived from the properties of the individual components.

Potential environmental effects

Aquatic toxicity:

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	>= 30.0 - <= 60.0 %	Methyl methacrylate

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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.

Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Flash point: 9 °C
48 °F

Autoignition: not applicable

Suitable extinguishing media:

dry powder, alcohol-resistant foam

Unsuitable extinguishing media for safety reasons:

water jet

Hazards during fire-fighting:

carbon dioxide, carbon monoxide, harmful vapours, nitrogen oxides, fumes/smoke, carbon black

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:

Prevent spread over a wide area (e.g. by containment or oil barriers). Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

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 occupational exposure limits

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

Personal protective equipment

Respiratory protection:

Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.

Hand protection:

Wear chemical resistant protective gloves.

Eye protection:

Safety glasses with side-shields.

Body protection:

Body protection must be chosen based on level of activity and exposure., Antistatic apron

General safety and hygiene measures:

Avoid inhalation of dusts/mists/vapours. Avoid contact with the skin, eyes and clothing. Avoid prolonged and/or repeated contact with the skin. Handle in accordance with good building materials hygiene and safety practice. 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).

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9. Physical and Chemical Properties

Form:	liquid	
Odour:	sweetish, ester-like	
Colour:	light blue	
pH value:		not applicable
Freezing point:	-48 °C	
	-54 °F	
Boiling point:	180 °F	
Vapour pressure:	approx. 40 hPa	(68 °F)
Density:	approx. 1.0 g/cm3	(20 °C)
Bulk density:		not applicable
Solubility in water:	20 g/l	(20 °C)
	20 g/l	(68 °F)
Other Information:	If necessary, information on other physical and chemical parameters is indicated in this section.	

10. Stability and Reactivity

Conditions to avoid:

Avoid all sources of ignition: heat, sparks, open flame.

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.

Oxidizing properties:

Based on its structural properties the product is not classified as oxidizing.

11. Toxicological information

Irritation / corrosion

Information on: Methyl methacrylate

Assessment of irritating effects:

Irritating to skin. Not irritating to the eyes.

Skin:

Information on: Methyl methacrylate

Species: rabbit

Result: Irritant.

Method: similar to OECD guideline 404

Eye:

Information on: Methyl methacrylate

Species: rabbit

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Result: non-irritant
Method: Draize test

Sensitization

Information on: Methyl methacrylate
Assessment of sensitization:
Caused skin sensitization in animal studies.

Repeated dose toxicity

Information on: Methyl methacrylate
Assessment of repeated dose toxicity:
After repeated exposure the prominent effect is local irritation.

Experiences in humans:

According to experience, the product is considered to be harmless to health if used in the correct manner.

Other Information:

The product has not been tested. The statement has been derived from the properties of the individual components.

12. Ecological Information

Other adverse effects:

The product has not been tested. Do not allow to enter soil, waterways or waste water channels.

13. Disposal considerations

Waste disposal of substance:

Observe national and local legal requirements. Residues should be disposed of in the same manner as the substance/product.

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

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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:

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

EPCRA 311/312 (Hazard categories):

Acute; Chronic; Fire; Sudden release of pressure

EPCRA 313:

CAS Number
80-62-6

Chemical name
Methyl methacrylate

CERCLA RQ

1000 LBS

CAS Number

80-62-6

Chemical name

Methyl methacrylate

State regulations

State RTK

MA, NJ, PA

CAS Number

80-62-6

Chemical name

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.

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SDS Prepared on: 2013/10/29

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