

Safety Data Sheet

MasterProtect 100CR PART A also SEWER GUARD HBS100 LINER PTA

Revision date : 2011/11/30
Version: 1.0

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(51701541/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:
May cause allergic skin reaction.
May cause skin irritation.
May cause eye irritation.
Contains a suspect carcinogen.
Avoid contact with the skin, eyes and clothing.
Wash thoroughly after handling.
Keep container tightly closed.

State of matter: liquid
Colour: white
Odour: amine-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 eyes and skin.

Sensitization:

May cause sensitization by skin contact.

Potential environmental effects

Aquatic toxicity:

The product has not been tested.

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3. Composition / Information on Ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
25085-99-8	>= 60.0 - <= 100.0 %	Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer
65997-17-3	>= 1.0 - <= 5.0 %	Glass, oxide, chemicals
13463-67-7	>= 1.0 - <= 5.0 %	Titanium dioxide
100-51-6	>= 0.5 - <= 1.5 %	Benzyl alcohol
1333-86-4	>= 0.1 - <= 1.0 %	carbon black

4. First-Aid Measures

General advice:

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

If inhaled:

Remove victim to fresh air and away from exposure immediately. If not breathing, give artificial respiration. Seek medical attention.

If on skin:

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

Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Do not induce vomiting unless told to by a poison control center or doctor. If person is conscious and can swallow, give two glasses of water.

Note to physician

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

5. Fire-Fighting Measures

Flash point: 232.22 °C

Suitable extinguishing media:

foam, water spray, dry powder, carbon dioxide

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:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information:

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

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6. Accidental release measures

Personal precautions:

Use personal protective clothing. Do not breathe vapour/aerosol/spray mists. Handle in accordance with good building materials hygiene and safety practice.

Environmental precautions:

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Cleanup:

For small amounts: Pick up with inert absorbent material (e.g. sand, earth etc.). Dispose of contaminated material as prescribed.

For large amounts: Pump off product.

7. Handling and Storage

Handling

General advice:

Avoid contact with the skin, eyes and clothing. Ensure thorough ventilation of stores and work areas.

Storage

General advice:

Keep only in the original container in a cool, well-ventilated place. Protect from direct sunlight.

8. Exposure Controls and Personal Protection

Components with workplace control parameters

carbon black	OSHA	PEL 3.5 mg/m3 ;
	ACGIH	TWA value 3.5 mg/m3 ;
Titanium dioxide	OSHA	PEL 15 mg/m3 Total dust ;
	ACGIH	TWA value 10 mg/m3 ;
Glass, oxide, chemicals	ACGIH	TWA value 5 mg/m3 Inhalable fraction ; TWA value 1 fibers/cm ³ Fiber ; TWA value 1 fibers/cm ³ Fiber ; TWA value 0.2 fibers/cm ³ Fiber ;

Personal protective equipment

Hand protection:

Wear chemical resistant protective gloves., Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection:

Safety glasses with side-shields.

Body protection:

Impermeable protective clothing

General safety and hygiene measures:

Do not inhale gases/vapours/aerosols. In order to prevent contamination while handling, closed working clothes and working gloves should be used. 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:	gel	
Odour:	amine-like	
Colour:	white	
pH value:		slightly alkaline
Boiling point:	260 °C	
Density:	1.07 g/cm ³	(20 °C)
Vapour density:		Heavier than air.
Partitioning coefficient n-octanol/water (log Pow):		No data available.
Other Information:	If necessary, information on other physical and chemical parameters is indicated in this section.	

10. Stability and Reactivity

Substances to avoid:

strong bases, strong acids

Hazardous reactions:

The product is stable if stored and handled as prescribed/indicated.

Decomposition products:

irritant gases/vapours, carbon oxides

Thermal decomposition:

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

Acute toxicity

Information on: Benzyl alcohol

Assessment of acute toxicity:

Of moderate toxicity after single ingestion. Of moderate toxicity after short-term inhalation.

Irritation / corrosion

Information on: Benzyl alcohol

Assessment of irritating effects:

Not irritating to the skin. Eye contact causes irritation. An in vitro test indicated the potential to cause serious damage to the eyes.

Sensitization

Information on: Oxirane, 2,2'-[(1-methylethylidene)bis(4,1- phenyleneoxymethylene)]bis-, homopolymer

Assessment of sensitization:

May cause sensitization by skin contact.

Genetic toxicity

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Information on: Benzyl alcohol
The substance was mutagenic in various cell culture test systems; however, these results could not be confirmed in tests with mammals.

Carcinogenicity

Information on: Titanium dioxide
IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans). In long-term studies in rats in which the substance was given by inhalation, a carcinogenic effect was observed. Tumors were only observed in rats after chronic inhalative exposure to high concentrations which caused sustained lung inflammation. In long-term studies in rats and mice in which the substance was given by feed, a carcinogenic effect was not observed. Dermal exposure is not expected to be carcinogenic.

Information on: carbon black
IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans). In long-term animal studies in which the substance was given by inhalation in high concentrations, a carcinogenic effect was observed. A clear indication of an increased risk of cancer in humans has so far not been shown. No carcinogenic potential can be deduced from other studies with rats and mice.

Information on: Glass, oxide, chemicals
IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans). NTP listed carcinogen

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:

Do not allow to enter soil, waterways or waste water channels.

13. Disposal considerations

Waste disposal of substance:

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

14. Transport Information

Land transport USDOT

Not classified as a dangerous good under transport regulations

Sea transport IMDG

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Not classified as a dangerous good under transport regulations

Air transport IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory Information

Federal Regulations

Registration status:

Chemical TSCA, US released / listed

OSHA hazard category:

IARC 1, 2A or 2B carcinogen; NTP listed carcinogen; Chronic target organ effects reported; ACGIH TLV established

EPCRA 311/312 (Hazard categories):

Acute;

CERCLA RQ

1000 LBS

100 LBS

10 LBS

CAS Number

100-41-4; 108-88-3

1330-20-7

71-43-2

Chemical name

ethylbenzene; Toluene

Xylene

Benzene

State regulations

State RTK

MA, NJ, PA

MA, NJ, PA

MA, PA

MA, NJ, PA

CAS Number

65997-17-3

13463-67-7

100-51-6

1333-86-4

Chemical name

Glass, oxide, chemicals

Titanium dioxide

Benzyl alcohol

carbon black

CA Prop. 65:

THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

16. Other Information

HMIS III rating

Health: 2⁺ Flammability: 1 Physical hazard: 0

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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MSDS Prepared by:
BASF NA Product Regulations

MSDS Prepared on: 2011/11/30

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