

Safety Data Sheet

MasterSeal P 173 also PRIMER 733

Revision date : 2013/09/12
Version: 2.0

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(30605448/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.
MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.
MAY BE HARMFUL IF SWALLOWED.
REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.
Overexposure may cause CNS depression including headache, dizziness, nausea and loss of consciousness.
Keep container tightly closed.
Avoid all sources of ignition: heat, sparks, open flame.

Colour: amber
Odour: strong, 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.

Acute toxicity:

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

Irritation / corrosion:

Skin contact causes irritation. May cause slight irritation to the eyes.

Sensitization:

Skin sensitizing effects were not observed in animal studies.

Chronic toxicity:

Carcinogenicity: In long-term studies in rats and mice in which the substance was given by inhalation, a carcinogenic effect was not observed.

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Repeated dose toxicity: The substance may cause damage to the central nervous system after repeated ingestion of high doses. The substance may cause deafness after repeated inhalation.

Reproductive toxicity: The results of animal studies gave no indication of a fertility impairing effect.

Teratogenicity: Indications of possible developmental toxicity/teratogenicity were seen in animal studies.

Genotoxicity: No mutagenic effect was found in various tests with bacteria, microorganisms and mammalian cell culture. The substance was not mutagenic in studies with mammals. Literature data.

Signs and symptoms of overexposure:

Overexposure may cause:., unconsciousness, death, dilation of pupils, incoordination, lethargy, confusion, headache, dizziness, lacrimation

Potential environmental effects

Aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms.

3. Composition / Information on Ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
108-88-3	>= 15.0 - <= 40.0 %	Toluene
1305-78-8	>= 1.0 - <= 5.0 %	calcium oxide
1330-20-7	>= 1.0 - <= 5.0 %	Xylene
100-41-4	>= 0.1 - <= 1.0 %	ethylbenzene

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: 18.33 °C
Lower explosion limit: 1.0 %(V)

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Upper explosion limit: 7.1 %(V)
Flammability: Highly flammable.

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.

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.

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8. Exposure Controls and Personal Protection

Components with occupational exposure limits

Xylene	OSHA PEL	PEL 100 ppm 435 mg/m3 ;
	ACGIH TLV	TWA value 100 ppm ; STEL value 150 ppm ;
ethylbenzene	OSHA PEL	PEL 100 ppm 435 mg/m3 ;
	ACGIH TLV	TWA value 100 ppm ; STEL value 125 ppm ;
Toluene	OSHA PEL	TWA value 200 ppm ; CLV 300 ppm ; max. conc. 500 ppm ;
	ACGIH TLV	TWA value 20 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).

9. Physical and Chemical Properties

Form:	liquid	
Odour:	strong, solvent-like	
Colour:	amber	
pH value:		not applicable
Boiling point:	approx. 111.11 - 251.11 °C	
Vapour pressure:		The product has not been tested.
Density:	approx. 1.07 g/cm3	(20 °C)
Vapour density:		Heavier than air.
Solubility in water:		(20 °C) not soluble
Miscibility with water:		(20 °C) immiscible
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.

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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: ethylbenzene

Assessment of acute toxicity:

Of moderate toxicity after short-term inhalation. Virtually nontoxic after a single skin contact. Of low toxicity after single ingestion.

Information on: Xylene

Assessment of acute toxicity:

Of low toxicity after single ingestion. Of moderate toxicity after short-term inhalation. Of moderate toxicity after short-term skin contact. High concentrations in the air may cause narcosis.

Information on: Toluene

Assessment of acute toxicity:

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

Irritation / corrosion

Information on: calcium oxide

Assessment of irritating effects:

Skin contact causes irritation. May cause severe damage to the eyes.

Information on: ethylbenzene

Assessment of irritating effects:

May cause slight irritation to the skin. May cause slight irritation to the eyes.

Information on: Toluene

Assessment of irritating effects:

Skin contact causes irritation. May cause slight irritation to the eyes.

Repeated dose toxicity

Information on: Xylene

Assessment of repeated dose toxicity:

Overexposure may cause liver and kidney toxicity.

The substance may cause damage to the central nervous system after repeated ingestion of high doses.

Information on: Toluene

Assessment of repeated dose toxicity:

The substance may cause damage to the central nervous system after repeated ingestion of high doses. The substance may cause deafness after repeated inhalation.

Carcinogenicity

Information on: ethylbenzene

Indication of possible carcinogenic effect in animal tests. The effect is caused by an animal specific mechanism that has no human counter part. A clear indication of an increased risk of cancer in humans has so far not been shown. IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans).

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Development:

Information on: Xylene

In animal studies the substance did not cause malformations.

Information on: Toluene

Indications of possible developmental toxicity/teratogenicity were seen in animal studies.

12. Ecological Information

Degradability / Persistence Biological / Abiological Degradation

Evaluation: Readily biodegradable (according to OECD criteria).

Bioaccumulation

orfe, golden (3 d) Bioconcentration factor 90
Literature data.

Other adverse effects:

There is a high probability that the product is not acutely harmful to aquatic organisms. Do not discharge product into the environment without control. The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

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 1263
Hazard label: 3
Proper shipping name: PAINT

Sea transport

IMDG

Hazard class: 3
Packing group: II
ID number: UN 1263
Hazard label: 3

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Marine pollutant: NO
Proper shipping name: PAINT

Air transport

IATA/ICAO

Hazard class: 3
Packing group: II
ID number: UN 1263
Hazard label: 3
Proper shipping name: PAINT

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; IARC 1, 2A or 2B carcinogen; NTP listed carcinogen

EPCRA 311/312 (Hazard categories): Acute; Chronic; Fire; Sudden release of pressure

CERCLA RQ

1000 LBS

100 LBS

10 LBS

CAS Number

100-41-4; 108-88-3

1330-20-7; 584-84-9; 91-08-7

56-23-5

Chemical name

ethylbenzene; Toluene

Xylene; toluene-2,4-diisocyanate; toluene-2,6-diisocyanate

tetrachloromethane

State regulations

State RTK

MA, NJ, PA

MA, NJ, PA

MA, NJ, PA

CAS Number

1305-78-8

1330-20-7

100-41-4

Chemical name

calcium oxide

Xylene

ethylbenzene

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 \square Flammability: 3 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

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products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

SDS Prepared by:

BASF NA Product Regulations

msds@basf.com

SDS Prepared on: 2013/09/12

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