

Safety data sheet

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BASF Safety data sheet according to Regulation (EC) No. 1907/2006

Date / Revised: 30.06.2009

Version: 1.0

Product: **MASTERSEAL 640 MEMBRANE GREY**

(30486543/SDS_GEN_EU/EN)

Date of print 20.03.2010

1. Substance/preparation and company identification

MASTERSEAL 640 MEMBRANE GREY

Use: Product for construction chemicals

Company:

BASF SE

67056 Ludwigshafen

GERMANY

Operating Division Construction Chemicals

Telephone: +49 621 60-74354

Telefax number: +49 621 60-6674354

E-mail address: info.construction-chemicals@basf.com

Emergency information:

International emergency number:

Telephone: +49 180 2273-112

2. Hazard identification

Possible Hazards

Flammable.

Harmful by inhalation and in contact with skin.

Irritating to skin.

May cause sensitization by inhalation.

3. Composition/information on ingredients

Chemical nature

Preparation based on: polyisocyanate, solvent(s)

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Hazardous ingredients

according to Directive 1999/45/EC

TDI

Content (W/W): $\geq 0.1\%$ - $< 0.6\%$

CAS Number: 26471-62-5

EC-Number: 247-722-4

INDEX-Number: 615-006-00-4

Hazard symbol(s): T+

R-phrases: 26, 36/37/38, 40, 42/43, 52/53

xylene

Content (W/W): $\geq 10\%$ - $< 30\%$

CAS Number: 1330-20-7

EC-Number: 215-535-7

INDEX-Number: 601-022-00-9

Hazard symbol(s): Xn

R-phrases: 10, 20/21, 38

The wording of the hazard symbols and R-phrases is specified in chapter 16 if dangerous ingredients are mentioned.

4. First-aid measures

General advice:

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

If inhaled:

If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

On skin contact:

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.

On contact with eyes:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

On ingestion:

Rinse mouth immediately and then drink plenty of water, seek medical attention. 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

Suitable extinguishing media:

foam, water spray, dry extinguishing media, carbon dioxide

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Unsuitable extinguishing media for safety reasons:
water jet

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

Special protective equipment:
Wear a self-contained breathing apparatus.

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.

6. Accidental release measures

Personal precautions:
Use personal protective clothing. Do not breathe vapour/aerosol/spray mists. Sources of ignition should be kept well clear. 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.

Methods for cleaning up or taking up:
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

Avoid aerosol formation. Avoid inhalation of mists/vapours. Avoid skin contact. No special measures necessary provided product is used correctly.

Storage

Further information on storage conditions: Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Protect from direct sunlight. Store protected against freezing.

Protect from temperatures below: 5 °C
Protect from temperatures above: 40 °C

8. Exposure controls and personal protection

Components with workplace control parameters

1330-20-7: xylene (Content (W/W): $\geq 10\%$ - $< 30\%$)

Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Combination filter for gases/vapours of organic, inorganic, acid inorganic and alkaline compounds (e.g. EN 14387 Type ABEK).

Hand protection:

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) and other. Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

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).

9. Physical and chemical properties

Form:	liquid
Colour:	grey
Odour:	solvent-like
pH value:	not applicable
Freezing point:	$< 0\text{ °C}$
Flash point:	$> 25\text{ °C}$
Flammability:	Flammable.
Ignition temperature:	$> 200\text{ °C}$

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Self ignition:		not self-igniting
Explosion hazard:	not explosive	
Density:	1.35 - 1.45 g/cm ³	
Solubility in water:	insoluble, Reacts with water.	
Flow time:	> 90 s (23 °C)	(DIN EN ISO 2431; 6 mm)

10. Stability and reactivity

Conditions to avoid:

See MSDS section 7 - Handling and storage.

Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
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Substances to avoid:

strong acids, strong bases, strong oxidizing agents

Hazardous reactions:

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

Possible decomposition products:

carbon dioxide

The mentioned substance is result of gradual decomposition under influence of atmospheric humidity.

11. Toxicological information

Acute toxicity

Experimental/calculated data:

LD50 rat (oral): > 5,000 mg/kg

*Information on: xylene**Assessment of acute toxicity:**Of moderate toxicity after short-term inhalation. Of moderate toxicity after short-term skin contact.**EU-classification High concentrations in the air may cause narcosis. Virtually nontoxic after a single ingestion.*

Irritation

Assessment of irritating effects:

Irritating to skin.

*Information on: xylene**Assessment of irritating effects:*

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Skin contact causes irritation. Not irritating to the eyes.

Respiratory/Skin sensitization

Assessment of sensitization:

May cause sensitization by inhalation.

Other relevant toxicity information

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

12. Ecological information

Ecotoxicity

Information on: xylene

Assessment of aquatic toxicity:

Acutely toxic for aquatic organisms. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

Persistence and degradability

Assessment biodegradation and elimination (H₂O):

Not readily biodegradable (by OECD criteria).

Elimination information:

Non-biodegradable.

Additional information

Other ecotoxicological advice:

The product should not be allowed to reach either sewage waters or water purification plants.

13. Disposal considerations

Observe national and local legal requirements.

Residues should be disposed of in the same manner as the substance/product.

Contaminated packaging:

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

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ADR

Hazard class: 3
Packing group: III
ID number: UN 1866
Hazard label: 3
Proper shipping name: RESIN SOLUTION (contains XYLENE, N-BUTYLACETATE)

RID

Hazard class: 3
Packing group: III
ID number: UN 1866
Hazard label: 3
Proper shipping name: RESIN SOLUTION (contains XYLENE, N-BUTYLACETATE)

Inland waterway transport**ADNR**

Hazard class: 3
Packing group: III
ID number: UN 1866
Hazard label: 3
Proper shipping name: RESIN SOLUTION (contains XYLENE, N-BUTYLACETATE)

Sea transport**IMDG**

Hazard class: 3
Packing group: III
ID number: UN 1866
Hazard label: 3
Marine pollutant: NO
Proper shipping name: RESIN SOLUTION (contains XYLENE, N-BUTYLACETATE)

Air transport**IATA/ICAO**

Hazard class: 3
Packing group: III
ID number: UN 1866
Hazard label: 3
Proper shipping name: RESIN SOLUTION (contains XYLENE, N-BUTYLACETATE)

15. Regulatory information**Regulations of the European union (Labelling) / National legislation/Regulations**

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Directive 1999/45/EC ('Preparation Directive'):

Hazard symbol(s)

Xn Harmful.

R-phrase(s)

R10 Flammable.
 R20/21 Harmful by inhalation and in contact with skin.
 R38 Irritating to skin.
 R42 May cause sensitization by inhalation.

S-phrase(s)

S2 Keep out of the reach of children.
 S23.12 Do not breathe vapour/aerosol/spray mists.
 S36/37 Wear suitable protective clothing and gloves.
 S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

The product is classified and labelled in accordance with EC Directives.

Other regulations**16. Other information**

Due to the merger of Degussa Construction chemicals and BASF Group all Material Safety Data Sheets have been reassessed on the basis of consolidated information. This may have resulted in changes of the Material Safety Data Sheets. In case you have questions concerning such changes please contact us under the address mentioned in Section I.

Full text of hazard symbols and R-phrases if mentioned as hazardous components in chapter 3:

T+	Very toxic.
Xn	Harmful.
26	Very toxic by inhalation.
36/37/38	Irritating to eyes, respiratory system and skin.
40	Limited evidence of a carcinogenic effect.
42/43	May cause sensitization by inhalation and skin contact.
52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
10	Flammable.
20/21	Harmful by inhalation and in contact with skin.
38	Irritating to skin.

Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.