

# Safety data sheet

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

Date / Revised: 25.06.2009

Version: 1.0

Product: **MASTERSEAL 640 PRIMER**

(30486539/SDS\_GEN\_EU/EN)

Date of print 16.07.2009

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## 1. Substance/preparation and company identification

### MASTERSEAL 640 PRIMER

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

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## 2. Hazard identification

### Possible Hazards

Flammable.

Harmful by inhalation and in contact with skin.

Irritating to eyes, respiratory system and skin.

May cause sensitization by inhalation and skin contact.

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## 3. Composition/information on ingredients

Chemical nature

Preparation based on: polyisocyanate, solvent(s)

Hazardous ingredients

according to Directive 1999/45/EC

## P-MDI

Content (W/W):  $\geq 20\%$  -  $< 40\%$ 

CAS Number: 9016-87-9

Hazard symbol(s): Xn

R-phrase(s): 20, 36/37/38, 42/43

## xylene

Content (W/W):  $\geq 20\%$  -  $< 40\%$ 

CAS Number: 1330-20-7

EC-Number: 215-535-7

INDEX-Number: 601-022-00-9

Hazard symbol(s): Xn

R-phrase(s): 10, 20/21, 38

## ethyl acetate

Content (W/W):  $\geq 10\%$  -  $< 20\%$ 

CAS Number: 141-78-6

EC-Number: 205-500-4

INDEX-Number: 607-022-00-5

Hazard symbol(s): F, Xi

R-phrase(s): 11, 36, 66, 67

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

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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.

## On skin contact:

Wash thoroughly with soap and water. 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 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.

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## 5. Fire-fighting measures

Suitable extinguishing media:  
dry extinguishing media, alcohol-resistant foam

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. 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.

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## 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. Handle in accordance with good building materials hygiene and safety practice.

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.

Methods for cleaning up or taking up:  
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.

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## 7. Handling and storage

### Handling

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

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

## 8. Exposure controls and personal protection

### Personal protective equipment

#### Respiratory protection:

Respiratory protection in case of vapour/aerosol release. Suitable respiratory protection for higher concentrations or long-term effect: Gas filter for gases/vapours of organic compounds (boiling point <65 °C, f.e. EN 14387 Type AX)

#### 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:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

#### 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	
Colour:	yellow	
Odour:	characteristic	
pH value:	not applicable	
Freezing point:	< 0 °C	
Flash point:	> 25 °C	(DIN 51758)
Flammability:	Flammable.	
Self ignition:		not self-igniting
Explosion hazard:	not explosive	
Density:	1.1 g/cm <sup>3</sup> (20 °C)	(DIN 51757)

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Solubility in water: insoluble, Reacts with water.

Viscosity, dynamic: 78 mPa.s  
(25 °C)

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## 10. Stability and reactivity

Conditions to avoid:

See MSDS section 7 - Handling and storage.

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

Hazardous reactions:

Reacts with water, with formation of carbon dioxide. The formation of gaseous decomposition products builds up pressure in tightly closed containers.

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## 11. Toxicological information

### Acute toxicity

*Information on: P-MDI**Assessment of acute toxicity:**Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact. Of moderate toxicity after short-term inhalation.**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.*  
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### Irritation

*Information on: P-MDI**Assessment of irritating effects:**Irritating to eyes, respiratory system and skin.**Information on: xylene**Assessment of irritating effects:**Skin contact causes irritation. Not irritating to the eyes.*  
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### Respiratory/Skin sensitization

*Information on: P-MDI**Assessment of sensitization:*

*The substance may cause sensitization of the respiratory tract. Sensitization after skin contact possible.*

*Information on: xylene*

*Assessment of sensitization:*

*The substance did not cause skin sensitization in humans.*

### **Other relevant toxicity information**

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

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## **12. Ecological information**

### **Ecotoxicity**

*Information on: P-MDI*

*Assessment of aquatic toxicity:*

*There is a high probability that the product is not acutely harmful to aquatic organisms. No toxic effects occur within the range of solubility.*

*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**

Elimination information:

Non-biodegradable.

*Information on: P-MDI*

*Assessment biodegradation and elimination (H<sub>2</sub>O):*

*Poorly biodegradable.*

*Information on: xylene*

*Assessment biodegradation and elimination (H<sub>2</sub>O):*

*Readily biodegradable (according to OECD criteria). The product has not been tested. The statement has been derived from the properties of the individual components. The product is highly volatile and can be eliminated from water by stripping.*

### **Additional information**

Other ecotoxicological advice:

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

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### 13. Disposal considerations

Observe national and local legal requirements.

The waste code in accordance with the European waste catalog (EWC) must be specified in cooperation with disposal agency/manufacturer/authorities.

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.

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### 14. Transport information

#### Land transport

ADR

Hazard class: 3  
Packing group: III  
ID number: UN 1307  
Hazard label: 3  
Proper shipping name: XYLENES

RID

Hazard class: 3  
Packing group: III  
ID number: UN 1307  
Hazard label: 3  
Proper shipping name: XYLENES

#### Inland waterway transport

ADNR

Hazard class: 3  
Packing group: III  
ID number: UN 1307  
Hazard label: 3  
Proper shipping name: XYLENES

#### Sea transport

IMDG

Hazard class: 3  
Packing group: III  
ID number: UN 1307  
Hazard label: 3  
Marine pollutant: NO

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Proper shipping name: XYLENES

**Air transport**

IATA/ICAO

Hazard class:	3
Packing group:	III
ID number:	UN 1307
Hazard label:	3
Proper shipping name:	XYLENES

**15. Regulatory information****Regulations of the European union (Labelling) / National legislation/Regulations**Directive 1999/45/EC ('Preparation Directive'):

Hazard symbol(s)	
Xn	Harmful.
R-phrases(s)	
R10	Flammable.
R20/21	Harmful by inhalation and in contact with skin.
R36/37/38	Irritating to eyes, respiratory system and skin.
R42/43	May cause sensitization by inhalation and skin contact.
S-phrases(s)	
S2	Keep out of the reach of children.
S23	Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
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).
S51	Use only in well-ventilated areas.
S63	In case of accident by inhalation: remove casualty to fresh air and keep at rest.

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

**Other regulations****16. Other information**

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

Xn	Harmful.
F	Highly flammable.

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Xi	Irritant.
20	Harmful by inhalation.
36/37/38	Irritating to eyes, respiratory system and skin.
42/43	May cause sensitization by inhalation and skin contact.
10	Flammable.
20/21	Harmful by inhalation and in contact with skin.
38	Irritating to skin.
11	Highly flammable.
36	Irritating to eyes.
66	Repeated exposure may cause skin dryness or cracking.
67	Vapours may cause drowsiness and dizziness.

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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.