

Safety data sheet

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

Date / Revised: 19.04.2010

Product: **MASTERTOP P 660,P.B colorless**

Version: 1.1

(30353423/SDS_GEN_EU/EN)

Date of print 20.04.2010

1. Identification of the substance/mixture and of the company/undertaking

MASTERTOP P 660,P.B colorless

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. Hazards Identification

Possible Hazards (according to Directive 67/548/EWG or 1999/45/EC)

Harmful by inhalation.

Irritating to eyes, respiratory system and skin.

May cause sensitization by inhalation and skin contact.

3. Composition/Information on Ingredients

Chemical nature

Preparation based on: aromatic isocyanates

Hazardous ingredients

according to Directive 1999/45/EC

P-MDI

Content (W/W): $\geq 75\%$ - $\leq 100\%$

CAS Number: 9016-87-9

Hazard symbol(s): Xn

R-phrases: 20, 36/37/38, 42/43

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:

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

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.

5. Fire-Fighting Measures

Suitable extinguishing media:

foam, water spray, dry extinguishing media, carbon dioxide

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.

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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. 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

Suitable materials for containers: tin (tinplate)

Further information on storage conditions: Keep away from heat.

8. Exposure Controls/Personal Protection

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)

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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:	dark brown	
Odour:	earthy	
pH value:	neutral to slightly alkaline	
Melting point:	-33 °C	(DIN ISO 3016)
onset of boiling:	> 300 °C (1,013 mbar)	(DIN 53171)
Flash point:	230 °C	(DIN 51758)
Ignition temperature:	> 500 °C	
Density:	approx. 1.23 g/cm ³ (20 °C)	(DIN 51757)
Viscosity, dynamic:	approx. 80 mPa.s (20 °C)	

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.

Substances to avoid:

strong acids, strong bases, strong oxidizing agents

Hazardous reactions:

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

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11. Toxicological Information

Acute toxicity

Assessment of acute toxicity:
Harmful by inhalation.

Experimental/calculated data:
LD50 rat (oral): > 2,000 mg/kg
other TS

LC50 rat (by inhalation): 490 mg als Aerosol/m³ 4 h
The data on toxicology refer to the active ingredient. An aerosol was tested.

Irritation

Assessment of irritating effects:
Irritating to eyes, respiratory system and skin.

Respiratory/Skin sensitization

Assessment of sensitization:
May cause sensitization by inhalation and skin contact.

Experiences in humans

Information on: P-MDI

Experimental/calculated data:

coughing, dyspnea, tightness in the chest, temporary influenzal symptoms:

Can severely irritate the eyes and respiratory tract depending upon the concentration.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:
The substance may cause damage to the lung after repeated inhalation of high doses.

12. Ecological Information

Ecotoxicity

Assessment of aquatic toxicity:
There is a high probability that the product is not acutely harmful to aquatic organisms.
The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: methylenediphenyl diisocyanate

Assessment of aquatic toxicity:

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There is a high probability that the product is not acutely harmful to aquatic organisms. No toxic effects occur within the range of solubility. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

Information on: methylenediphenyl diisocyanate

Toxicity to fish:

LC0 (96 h) > 1,000 mg/l, Brachydanio rerio (OECD 203; ISO 7346; 84/449/EEC, C.1, static)

Nominal concentration.

Information on: methylenediphenyl diisocyanate

Aquatic invertebrates:

EC0 (24 h) > 1,000 mg/l, Daphnia magna (OECD Guideline 202, part 1, static)

Information on: methylenediphenyl diisocyanate

Aquatic plants:

No observed effect concentration (72 h) > 1,640 mg/l, Scenedesmus subspicatus (OECD Guideline 201)

Information on: methylenediphenyl diisocyanate

Microorganisms/Effect on activated sludge:

EC50 > 100 mg/l, activated sludge (OECD Guideline 209, aquatic)

Additional information

Other ecotoxicological advice:

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

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

ADR

Not classified as a dangerous good under transport regulations

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RID

Not classified as a dangerous good under transport regulations

Inland waterway transport

ADNR

Not classified as a dangerous good under transport regulations

Sea transport

IMDG

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

Hazard symbol(s)

Xn Harmful.

R-phrase(s)

R20 Harmful by inhalation.

R36/37/38 Irritating to eyes, respiratory system and skin.

R42/43 May cause sensitization by inhalation and skin contact.

S-phrase(s)

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).

S2 Keep out of the reach of children.

S46 If swallowed, seek medical advice immediately and show this container or label.

S51 Use only in well-ventilated areas.

S23.11 Do not breathe gas/vapour/spray.

S63 In case of accident by inhalation: remove casualty to fresh air and keep at rest.

S24 Avoid contact with skin.

S35 This material and its container must be disposed of in a safe way.

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Contains isocyanates. Observe manufacturer's instructions.
May produce an allergic reaction.

Hazard determining component(s) for labelling: P-MDI

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:

Xn	Harmful.
20	Harmful by inhalation.
36/37/38	Irritating to eyes, respiratory system and skin.
42/43	May cause sensitization by inhalation and skin contact.

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.