

Safety data sheet

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BASF Safety data sheet

Date / Revised: 22.09.2009

Product: **MASTERTOP P 679,COLORLESS**

Version: 3.0

(30350775/SDS_GEN_SG/EN)

Date of print 13.03.2010

1. Substance/preparation and company identification

MASTERTOP P 679,COLORLESS

Use: Product for construction chemicals

Company:

BASF South East Asia Pte Ltd.

7 Temasek Boulevard,

#35-01 Suntec Tower One, 038987, SINGAPORE

Telephone: +65 6 337-0330

Telefax number: +65 6 334-0330

E-mail address: tommy.chng@basf.com

Emergency information:

International emergency number:

Telephone: +49 180 2273-112

2. Composition/information on ingredients

Chemical nature

Prepolymer based on: aromatic isocyanates

Hazardous ingredients

| xylene

Content (W/W): >= 25 % - < 75 %

| 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

| methylenediphenyl diisocyanateContent (W/W): $\geq 25\%$ - $< 50\%$

CAS Number: 26447-40-5

EC-Number: 247-714-0

INDEX-Number: 615-005-00-9

Hazard symbol(s): Xn

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

| ethylbenzeneContent (W/W): $\geq 0\%$ - $< 15\%$

CAS Number: 100-41-4

EC-Number: 202-849-4

INDEX-Number: 601-023-00-4

Hazard symbol(s): F, Xn

R-phrases(s): 11, 20

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

3. Hazard identification

Flammable.

Harmful by inhalation and in contact with skin.

Irritating to skin.

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.

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 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

xylene, 1330-20-7;

TWA value 100 ppm (ACGIHTLV)
STEL value 150 ppm (ACGIHTLV)
TWA value 434 mg/m³ ; 100 ppm (OEL (SG))
STEL value 651 mg/m³ ; 150 ppm (OEL (SG))

ethylbenzene, 100-41-4;

TWA value 100 ppm (ACGIHTLV)
STEL value 125 ppm (ACGIHTLV)
TWA value 434 mg/m³ ; 100 ppm (OEL (SG))
STEL value 543 mg/m³ ; 125 ppm (OEL (SG))

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: colourless
Odour: solvent-like

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Boiling range:	(1,013 hPa) No data available.	
Flash point:	27 °C	(DIN 53213-1)
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	approx. 30 hPa (50 °C)	
Density:	approx. 1 g/cm ³ (20 °C)	
Viscosity, dynamic:	80 mPa.s (23 °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.

11. Toxicological Information

Acute toxicity

Information on: xylene
 LD50 rat (oral): approx. 5,900 mg/kg (BASF-Test)

Information on: methylenediphenyl diisocyanate
 LD50 rat (oral): > 2,000 mg/kg (OECD Guideline 420)

Information on: xylene
 LC50 rat (by inhalation): approx. 21.5 mg/l 4 h (BASF-Test)
 The European Union (EU) has classified this substance as 'harmful'.

Information on: methylenediphenyl diisocyanate
 LC50 rat (by inhalation): 0.49 mg/l 4 h

Information on: xylene
 LD50 rabbit (dermal): > 4,300 mg/kg (OECD Guideline 402)

The European Union (EU) has classified this substance as 'harmful'.

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.

| Information on: methylenediphenyl diisocyanate

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

Additional information

Other ecotoxicological advice:

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

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

Domestic transport:

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

Sea transport

IMDG

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

Air transport

IATA/ICAO

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

15. Regulatory Information**Regulations of the European union (Labelling)**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.

R38 Irritating to skin.

S-phrases(s)

S36/37 Wear suitable protective clothing and gloves.

S51 Use only in well-ventilated areas.

Contains isocyanates. Observe manufacturer's instructions.

| Hazard determining component(s) for labelling: XYLENE

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 2:

Xn	Harmful.
F	Highly flammable.
10	Flammable.
20/21	Harmful by inhalation and in contact with skin.
38	Irritating to skin.
20	Harmful by inhalation.
36/37/38	Irritating to eyes, respiratory system and skin.
42/43	May cause sensitization by inhalation and skin contact.
11	Highly flammable.

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.