

# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 29.12.2008  
Product: **MASTERTOP 1200 RESIN A4**

Version: 1.0

(30362452/SDS\_GEN\_SG/EN)

Date of print 13.03.2010

## 1. Substance/preparation and company identification

### **MASTERTOP 1200 RESIN A4**

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

Preparation based on: bisphenol A-epichlorohydrin resin

### Hazardous ingredients

bisphenol A-epichlorohydrin resin

Content (W/W):  $\geq 75\%$  -  $\leq 95\%$   
CAS Number: 25068-38-6  
INDEX-Number: 603-074-00-8  
Hazard symbol(s): Xi, N  
R-phrases: 36/38, 43, 51/53

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Oxirane, 2,2'-[[1-methylethylidene)bis(4,1- phenyleneoxymethylene)]bis-, homopolymer

Content (W/W):  $\geq 5\%$  -  $\leq 20\%$

CAS Number: 25085-99-8

EC-Number: 500-033-5

Hazard symbol(s): Xi, N

R-phrase(s): 36/38, 43, 51/53

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

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### 3. Hazard identification

Irritant.

Dangerous for the environment.

Irritating to eyes and skin.

May cause sensitization by skin contact.

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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:

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.

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### 5. Fire-fighting measures

Suitable extinguishing media:

foam, water spray, dry extinguishing media, carbon dioxide

Unsuitable extinguishing media for safety reasons:

water jet

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**Specific hazards:**

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

**Special protective equipment:**

Wear a self-contained breathing apparatus.

**Further information:**

Product itself is non-combustible; fire extinguishing method of surrounding areas must be considered. 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.

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## 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.

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## 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.

**Protection against fire and explosion:**

The substance/product is non-combustible. The product does not contribute to the spreading of flames, nor is it self combustible, not explosive. Take precautionary measures against static discharges.

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: 35 °C

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## 8. Exposure controls and 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)

#### 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:

Avoid contact with the skin, eyes and clothing. 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).

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## 9. Physical and chemical properties

Form:	liquid
Colour:	colourless to yellowish
Odour:	characteristic
Flammability:	not self-igniting
Lower explosion limit:	not available
Upper explosion limit:	not available
Self-ignition temperature:	not self-igniting
Viscosity, dynamic:	1,600 mPa.s (approx. 20 °C)

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## 10. Stability and reactivity

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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

Corrosion to metals: No data available.

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

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## 11. Toxicological information

### Irritation

Information on: bisphenol A-epichlorohydrin resin  
Assessment of irritating effects:  
Eye contact causes irritation. Skin contact causes irritation.  
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### Sensitization

Information on: bisphenol A-epichlorohydrin resin  
Assessment of sensitization:  
Sensitization after repeated skin contact possible.  
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### Other relevant toxicity information

Sensitization through inhalation or skin contact possible. 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: bisphenol A-epichlorohydrin resin  
Toxicity to fish:  
LC50 (96 h) 1.41 mg/l, *Oryzias latipes* (JIS K 0102-71, semistatic)  
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### Additional information

Other ecotoxicological advice:  
Acutely toxic for aquatic organisms. Do not discharge product into the environment without control.  
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.  
 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:

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)

##### EEC Directives:

##### Hazard symbol(s)

Xi	Irritant.
N	Dangerous for the environment.

##### R-phrases(s)

R36/38	Irritating to eyes and skin.
R43	May cause sensitization by skin contact.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

##### S-phrases(s)

S24	Avoid contact with skin.
S28	After contact with skin, wash immediately with plenty of ... (to be specified by the manufacturer).
S37/39	Wear suitable gloves and eye/face protection.
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.

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Contains epoxy-containing compounds. Observe manufacturer's instructions.

Hazard determining component(s) for labelling: BISPHENOL-A-EPICHLORHYDRIN RESINS M  
<=700

### Other regulations

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## 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:

Xi	Irritant.
N	Dangerous for the environment.
36/38	Irritating to eyes and skin.
43	May cause sensitization by skin contact.
51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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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.