

Safety data sheet

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BASF Safety data sheet

Date / Revised: 19.07.2010

Product: **Masterseal 180 reactor only**(30403359/SDS_GEN_SG/EN)

Version: 1.0

Date of print 18.08.2011

1. Substance/preparation and company identification

Masterseal 180 reactor only

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. Hazard identification

3. Composition/information on ingredients

Chemical nature

Preparation based on: aliphatic polyamine, modified

4. First-Aid Measures

General advice:

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

If inhaled:

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

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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 powder, carbon dioxide

Unsuitable extinguishing media for safety reasons:

water jet

Specific hazards:

carbon dioxide, carbon monoxide, nitrogen oxides, fumes/smoke, carbon black, corrosive gases/vapours

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. Ensure adequate ventilation. No special measures necessary provided product is used correctly.

Protection against fire and explosion:

The product does not contribute to the spreading of flames, nor is it self combustible, not explosive.

Storage

Suitable materials for containers: High density polyethylene (HDPE)

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.

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:

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

Body protection:

Body protection must be chosen based on level of activity and exposure.

General safety and hygiene measures:

Do not inhale gases/vapours/aerosols. Avoid contact with the skin, eyes and clothing. 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:	amine-like

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pH value:	alkaline
Melting point:	not applicable
boiling temperature:	> 200 °C
Flash point:	approx. 106.67 °C
Ignition temperature:	not applicable
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Solubility in water:	immiscible
Viscosity, dynamic:	0.3 - 1 Pa.s (25 °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.
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Substances to avoid:

zinc, aluminium, oxidizing agents, strong alkalies, acids

Corrosion to metals: Corrosive effect on metals.

Hazardous reactions:

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

11. Toxicological Information

Acute toxicity

Assessment of acute toxicity:

Harmful if swallowed.

Experimental/calculated data:

LD50 rat (oral): > 1,620 mg/kg

LD50 rabbit (dermal): > 2,140 mg/kg

Irritation

Assessment of irritating effects:

Corrosive! Damages skin and eyes.

Reproductive toxicity

Assessment of reproduction toxicity:
Possible risk of impaired fertility. EU-classification

Developmental toxicity

Assessment of teratogenicity:
Possible risk of harm to the unborn child. EU-classification

Other relevant toxicity information

The product has not been tested. The statements on toxicology have been derived from products of a similar structure and composition.

12. Ecological Information

Ecotoxicity

Assessment of aquatic toxicity:
Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Persistence and degradability

Assessment biodegradation and elimination (H₂O):
Poorly eliminated from water. Not readily biodegradable (by OECD criteria).

Additional information

Other ecotoxicological advice:
The product should not be allowed to reach either sewage waters or water purification plants. Do not discharge substance/product into sewer system. The product has not been tested. The statements on ecotoxicology have been derived from products of a similar structure and composition.

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:	8
Packing group:	III
ID number:	UN 2735
Hazard label:	8
Proper shipping name:	AMINES, LIQUID, CORROSIVE, N.O.S. (contains POLYAMINE MODIFIED)

Sea transport

IMDG

Hazard class:	8
Packing group:	III
ID number:	UN 2735
Hazard label:	8
Marine pollutant:	NO
Proper shipping name:	AMINES, LIQUID, CORROSIVE, N.O.S. (contains POLYAMINE MODIFIED)

Air transport

IATA/ICAO

Hazard class:	8
Packing group:	III
ID number:	UN 2735
Hazard label:	8
Proper shipping name:	AMINES, LIQUID, CORROSIVE, N.O.S. (contains POLYAMINE MODIFIED)

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

Hazard symbol(s)	
C	Corrosive.
N	Dangerous for the environment.
R-phrase(s)	
R22	Harmful if swallowed.
R34	Causes burns.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R62	Possible risk of impaired fertility.
R63	Possible risk of harm to the unborn child.
S-phrase(s)	
S1/2	Keep locked-up and out of reach of children.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S53	Avoid exposure - obtain special instructions before use.
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.

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Other regulations

16. Other Information

In addition to the information given in the safety data sheet we refer to the product specific 'Technical Information'.

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.