

Safety data sheet

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

Date / Revised: 05.01.2010

Version: 1.0

Product: **MASTERTOP BC 388 PART B**

(30517901/SDS_GEN_EU/EN)

Date of print 01.12.2010

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

MASTERTOP BC 388 PART B

Company:

BASF South East Asia Pte Ltd.

7 Temasek Boulevard,

#35-01 Suntec Tower One, 038987, SINGAPORE

Contact address:

BASF SE

67056 Ludwigshafen

GERMANY

Telephone: +49 621 60-0

E-mail address: global.info@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, in contact with skin and if swallowed.

Causes burns.

May cause sensitization by skin contact.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Possible risk of impaired fertility.

Possible risk of harm to the unborn child.

3. Composition/Information on Ingredients

Chemical nature

Preparation based on: amines, Phenols

Hazardous ingredients

according to Directive 1999/45/EC

Benzyl alcohol

Content (W/W): $\geq 2.5\%$ - $\leq 100\%$

CAS Number: 100-51-6

EC-Number: 202-859-9

INDEX-Number: 603-057-00-5

Hazard symbol(s): Xn

R-phrase(s): 20/22

3-aminomethyl-3,5,5-trimethylcyclohexylamine

Content (W/W): $\geq 1\%$ - $< 50\%$

CAS Number: 2855-13-2

EC-Number: 220-666-8

INDEX-Number: 612-067-00-9

Hazard symbol(s): C

R-phrase(s): 21/22, 34, 43, 52/53

4,4'-methylenebis(cyclohexylamine)

Content (W/W): $\geq 0\%$ - $< 25\%$

CAS Number: 1761-71-3

EC-Number: 217-168-8

Hazard symbol(s): C, N

R-phrase(s): 22, 34, 51/53

m-Phenylenebis(methylamine)

Content (W/W): $\geq 2.5\%$ - $< 50\%$

CAS Number: 1477-55-0

EC-Number: 216-032-5

Hazard symbol(s): C

R-phrase(s): 20/22, 34, 43

Salicylic acid

Content (W/W): $\geq 0.1\%$ - $< 10\%$

CAS Number: 69-72-7

EC-Number: 200-712-3

Hazard symbol(s): Xn

R-phrase(s): 22, 36

bisphenol A

Content (W/W): $\geq 0.1\%$ - $< 10\%$

CAS Number: 80-05-7

EC-Number: 201-245-8

INDEX-Number: 604-030-00-0

Hazard symbol(s): Xn

R-phrase(s): 37, 41, 43, 62

nonylphenol

Content (W/W): $\geq 0.1\%$ - $< 10\%$

CAS Number: 25154-52-3

EC-Number: 246-672-0

INDEX-Number: 601-053-00-8

Hazard symbol(s): C, N

R-phrase(s): 22, 34, 62, 63, 50/53

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. Immediately 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, 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: Polypropylene

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.

Storage stability:

Storage temperature: 10 - 30 °C

The packed product is not damaged by low temperatures or by frost.

The packed product will not be damaged by high temperatures.

8. Exposure Controls/Personal Protection

Components with workplace control parameters

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1477-55-0: m-Phenylenebis(methylamine)

80-05-7: bisphenol A

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:	yellowish
Odour:	amine-like
pH value:	11 (25 °C)
Flash point:	> 100 °C
Flammability:	Not flammable
Self ignition:	not self-igniting
Self heating ability:	It is not a substance capable of spontaneous heating.
Fire promoting properties:	not fire-propagating

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Vapour pressure:	1.3 hPa (58 °C) Information based on the main components.
Density:	1.1 g/cm ³ (25 °C)
Miscibility with water:	(20 °C) immiscible
Hygroscopy:	Non-hygroscopic
Solubility (qualitative) solvent(s):	polar solvents soluble
Viscosity, dynamic:	200 mPa.s
Solids content:	100 %

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: No corrosive effect on metal.

Hazardous reactions:

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

11. Toxicological Information

Acute toxicity

Assessment of acute toxicity:

Harmful by inhalation, in contact with skin and if swallowed.

*Information on: m-Phenylenebis(methylamine)**Experimental/calculated data:**LD50 rat (oral): 980 - 1,090 mg/kg (OECD Guideline 401)*
-----*Information on: m-Phenylenebis(methylamine)**Experimental/calculated data:**LC50 rat (by inhalation): 1.34 mg/l 4 h (OECD Guideline 403)*

An aerosol was tested.

Information on: m-Phenylenebis(methylamine)

Experimental/calculated data:

LD50 rat (dermal): approx. 2,600 mg/kg (BASF-Test)

Irritation

Information on: m-Phenylenebis(methylamine)

Assessment of irritating effects:

Corrosive! Damages skin and eyes. May cause severe damage to the eyes.

Respiratory/Skin sensitization

Information on: m-Phenylenebis(methylamine)

Experimental/calculated data:

Guinea pig maximization test guinea pig: skin sensitizing

Reproductive toxicity

Assessment of reproduction toxicity:

Possible risk of impaired fertility.

Information on: nonylphenol

Assessment of reproduction toxicity:

The results of animal studies suggest a fertility impairing effect.

Developmental toxicity

Assessment of teratogenicity:

Possible risk of harm to the unborn child.

Information on: nonylphenol

Assessment of teratogenicity:

Indications of possible developmental toxicity/teratogenicity were seen in animal studies.

12. Ecological Information

Ecotoxicity

Assessment of aquatic toxicity:

Acutely toxic for aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Information on: nonylphenol

Toxicity to fish:

LC50 (96 h) 0.128 mg/l, Pimephales promelas (other, Flow through.)

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Information on: nonylphenol

Aquatic invertebrates:

EC50 (48 h) 0.085 mg/l, Daphnia magna (other, static)

Information on: nonylphenol

Aquatic plants:

EC50 (72 h) 0.323 mg/l (growth rate), Scenedesmus subspicatus (DIN 38412 Part 9, static)

Information on: nonylphenol

Microorganisms/Effect on activated sludge:

EC50 950 mg/l, (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

Hazard class: 8

Packing group: II

ID number: UN 3267

Hazard label: 8, EHSM

Proper shipping name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (contains M-PHENYLENEBIS(METHYLAMINE), NONYLPHENOLE)

RID

Hazard class: 8

Packing group: II

ID number: UN 3267

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Hazard label: 8, EHSM
 Proper shipping name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (contains M-PHENYLENEBIS(METHYLAMINE), NONYLPHENOLE)

Inland waterway transport

ADNR

Hazard class: 8
 Packing group: II
 ID number: UN 3267
 Hazard label: 8, EHSM
 Proper shipping name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (contains M-PHENYLENEBIS(METHYLAMINE), NONYLPHENOLE)

Sea transport

IMDG

Hazard class: 8
 Packing group: II
 ID number: UN 3267
 Hazard label: 8, EHSM
 Marine pollutant: YES
 Proper shipping name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (contains M-PHENYLENEBIS(METHYLAMINE), NONYLPHENOLE)

Air transport

IATA/ICAO

Hazard class: 8
 Packing group: II
 ID number: UN 3267
 Hazard label: 8
 Proper shipping name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (contains M-PHENYLENEBIS(METHYLAMINE), NONYLPHENOLE)

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

Hazard symbol(s)
 C Corrosive.
 N Dangerous for the environment.

R-phrase(s)

R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R34	Causes burns.
R43	May cause sensitization by skin contact.
R51/53	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).
S51	Use only in well-ventilated areas.
S46	If swallowed, seek medical advice immediately and show this container or label.
S24	Avoid contact with skin.
S56	Dispose of this material and its container to hazardous or special waste collection point.
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.

May produce an allergic reaction.

Hazard determining component(s) for labelling: BENZYLALCOHOL, ISOPHORONEDIAMINE, NONYLPHENOLE

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.
C	Corrosive.
N	Dangerous for the environment.
20/22	Harmful by inhalation and if swallowed.
21/22	Harmful in contact with skin and if swallowed.
34	Causes burns.
43	May cause sensitization by skin contact.
52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
22	Harmful if swallowed.

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51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
36	Irritating to eyes.
37	Irritating to respiratory system.
41	Risk of serious damage to eyes.
62	Possible risk of impaired fertility.
63	Possible risk of harm to the unborn child.
50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.