

# Safety data sheet

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BASF Safety data sheet

Date / Revised: 28.02.2011

Version: 1.0

Product: **MASTERFLOW 648CP PLUS PTB**(30398848/SDS\_GEN\_SG/EN)

Date of print 10.03.2011

## 1. Substance/preparation and company identification

### MASTERFLOW 648CP PLUS PTB

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

Classification of the substance and mixture:

Acute toxicity: Cat. 4 (dermal)

Skin corrosion/irritation: Cat. 1B

Skin sensitizer: Cat. 1

Acute hazards to the aquatic environment: Cat. 3

Chronic hazards to the aquatic environment: Cat. 3

Label elements and precautionary statement:

Pictogram:



Signal Word:

Danger

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**Hazard Statement:**

Causes severe skin burns and eye damage. Harmful in contact with skin. May cause an allergic skin reaction. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

**Precautionary Statements (Prevention):**

Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe dust/gas/mist/vapours. Avoid release to the environment. Do not breathe dust or mist. Contaminated work clothing should not be allowed out of the workplace. Wash with plenty of water and soap thoroughly after handling.

**Precautionary Statements (Response):**

Call a POISON CENTER or doctor/physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF ON SKIN (on hair): Wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing. IF SWALLOWED: rinse mouth. Take off contaminated clothing and wash before reuse.

**Precautionary Statements (Storage):**

Store locked up.

**Precautionary Statements (Disposal):**

Dispose of contents/container to hazardous or special waste collection point.

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### 3. Composition/information on ingredients

**Chemical nature**

amine, modified

**Hazardous ingredients**

2,4,6-tris(dimethylaminomethyl)phenol

Content (W/W): >= 5 % - < 7 %

CAS Number: 90-72-2

Acute tox.: Cat. 4 (oral)

Skin corr./irr.: Cat. 2

Eye dam./irr.: Cat. 2A

triethylenetetramine

Content (W/W): >= 15 % - < 20 %

CAS Number: 112-24-3

Acute tox.: Cat. 3 (dermal)

Skin corr./irr.: Cat. 1B

Skin sens.: Cat. 1

Eco acute: Cat. 3

Eco chronic: Cat. 3

3,6,9-triazaundecamethylene-1,11-diamine

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Content (W/W): >= 5 % - < 15 %  
CAS Number: 112-57-2Acute tox.: Cat. 4 (oral)  
Acute tox.: Cat. 4 (dermal)  
Skin corr./irr.: Cat. 1B  
Skin sens.: Cat. 1  
Eco acute: Cat. 2  
Eco chronic: Cat. 2

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## 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.

### 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 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.

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## 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.

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## 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.

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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:

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).

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**9. Physical and Chemical Properties**

Form:	liquid
Colour:	clear to slightly amber
Odour:	characteristic
pH value:	not available
Boiling point:	No data available.
Flash point:	not determined
Flammability (solid/gas):	does not ignite
Lower explosion limit:	As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.
Upper explosion limit:	As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Self heating ability:	It is not a substance capable of spontaneous heating.
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating
Vapour pressure:	not determined
Density:	approx. 0.93 - 0.97 g/cm <sup>3</sup> (25 °C)
Bulk density:	not applicable

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Miscibility with water: immiscible  
Hygroscopy: Non-hygroscopic  
Solubility (qualitative) solvent(s): organic solvents  
soluble  
Viscosity, dynamic: 130 - 200 cps  
(23 °C)  
Solids content: 80 - 90 %

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## 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:  
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.

No hazardous decomposition products if stored and handled as prescribed/indicated.

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## 11. Toxicological Information

### Acute toxicity

Assessment of acute toxicity:  
Of moderate toxicity after short-term skin contact.

### Irritation

Assessment of irritating effects:  
Corrosive! Damages skin and eyes.

### Respiratory/Skin sensitization

Assessment of sensitization:  
Sensitization after skin contact possible.

### Germ cell mutagenicity

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

### **Carcinogenicity**

Assessment of carcinogenicity:

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

### **Reproductive toxicity**

Assessment of reproduction toxicity:

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

### **Developmental toxicity**

Assessment of teratogenicity:

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

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

Assessment of repeated dose toxicity:

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

### **Other relevant toxicity information**

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**

Assessment of aquatic toxicity:

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

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## **14. Transport Information**

### **Domestic transport:**

Hazard class:	8
Packing group:	III
ID number:	UN 2735

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Hazard label: 8, EHSM  
 Proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S. (contains 3,6,9-TRIAZAUNDECAMETHYLENEDIAMINE)

**Sea transport**

## IMDG

Hazard class: 8  
 Packing group: III  
 ID number: UN 2735  
 Hazard label: 8, EHSM  
 Marine pollutant: YES  
 Proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S. (contains 3,6,9-TRIAZAUNDECAMETHYLENEDIAMINE)

**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 3,6,9-TRIAZAUNDECAMETHYLENEDIAMINE)

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

Hazard symbol(s)	
C	Corrosive.
R-phrases(s)	
R21	Harmful in contact with skin.
R34	Causes burns.
R43	May cause sensitization by skin contact.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S-phrases(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.
S29	Do not empty into drains.
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.

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Hazard determining component(s) for labelling: TRIETHYLENETETRAMINE,  
3,6,9-TRIAZAUNDECAMETHYLENEDIAMINE

### 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.

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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.