

## Safety data sheet

Page: 1/10

BASF Safety data sheet

Date / Revised: 10.10.2016

Version: 4.0

Product: **MasterFlow 648 PART B also MASTERFLOW 648CP PLUS**

(30586398/SDS\_GEN\_AU/EN)

Date of print 24.10.2016

### 1. Substance/preparation and manufacturer/supplier identification

#### **MasterFlow 648 PART B also MASTERFLOW 648CP PLUS**

Use: Product for construction chemicals

Manufacturer/supplier:

BASF Australia Limited (ABN 62 008 437 867)

Level 12, 28 Freshwater Place Southbank

Victoria 3006, AUSTRALIA

Telephone: +61 3 8855-6600

Telefax number: +61 3 8855-6511

Emergency information:

BASF Emergency Advice Number: 1800 803 440 (24h) [within Australia]

BASF Emergency Advice Number: + 61 3 8855 6666 [outside Australia]

### 2. Hazard identification

Classification of the substance and mixture:

Acute toxicity: Cat. 4 (oral)

Acute toxicity: Cat. 5 (dermal)

Skin corrosion/irritation: Cat. 1B

Serious eye damage/eye irritation: Cat. 1

Skin sensitization: Cat. 1

Hazardous to the aquatic environment - acute: Cat. 1

Hazardous to the aquatic environment - chronic: Cat. 1

Label elements and precautionary statement:

Pictogram:

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Signal Word:  
 Danger

**Hazard Statement:**

May be harmful in contact with skin. Harmful if swallowed. May cause an allergic skin reaction. Causes severe skin burns and eye damage. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

**Precautionary Statements (Prevention):**

Wear protective gloves/protective clothing/eye protection/face protection. Avoid release to the environment. Do not breathe dust or mist. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Wash with plenty of water and soap thoroughly after handling.

**Precautionary Statements (Response):**

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): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Collect spillage. Take off contaminated clothing and wash it before reuse.

**Precautionary Statements (Storage):**

Store locked up.

**Precautionary Statements (Disposal):**

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

**Other hazards which do not result in classification:**

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

**Chemical nature**

amine, modified

**Hazardous ingredients**

Fatty acids, tall-oil, reaction products with tetraethylenepentamine	
Content (W/W): >= 30 % - <= 90 %	Skin Corr./Irrit.: Cat. 1C
CAS Number: 68953-36-6	Skin Sens.: Cat. 1
	Aquatic Acute: Cat. 1
	Aquatic Chronic: Cat. 1

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

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<p>Content (W/W): <math>\geq 0\%</math> - <math>&lt; 15\%</math> CAS Number: 112-57-2</p>	<p>Acute Tox.: Cat. 4 (oral) Acute Tox.: Cat. 4 (dermal) Skin Corr./Irrit.: Cat. 1B Skin Sens.: Cat. 1 Aquatic Chronic: Cat. 2</p>
<p><b>triethylenetetramine</b> Content (W/W): <math>\geq 15\%</math> - <math>&lt; 50\%</math> CAS Number: 112-24-3</p>	<p>Acute Tox.: Cat. 4 (oral) Acute Tox.: Cat. 4 (dermal) Skin Corr./Irrit.: Cat. 1B Eye Dam./Irrit.: Cat. 1 Skin Sens.: Cat. 1B Aquatic Acute: Cat. 3 Aquatic Chronic: Cat. 3</p>
<p><b>2,4,6-tris(dimethylaminomethyl)phenol</b> Content (W/W): <math>\geq 3\%</math> - <math>&lt; 10\%</math> CAS Number: 90-72-2</p>	<p>Skin Corr./Irrit.: Cat. 1B Eye Dam./Irrit.: Cat. 1 Skin Sens.: Cat. 1 Aquatic Chronic: Cat. 3</p>
<p><b>Phenol, bis[(dimethylamino)methyl]-</b> Content (W/W): <math>\geq 0.5\%</math> - <math>\leq 3\%</math> CAS Number: 71074-89-0</p>	<p>Skin Corr./Irrit.: Cat. 1B</p>
<p><b>Fatty acids, tall-oil, compds. with oleylamine</b> Content (W/W): <math>\geq 0\%</math> - <math>&lt; 0.2\%</math> CAS Number: 85711-55-3</p>	<p>Eye Dam./Irrit.: Cat. 1 Skin Sens.: Cat. 1A STOT RE: Cat. 2</p>

#### 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.

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**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:**

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

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.

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Protection against fire and explosion:  
The product is not an oxidizer, not self-combustible and not explosive.

### Storage

Suitable materials for containers: Polypropylene (PP), tinned carbon steel (Tinplate), 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.

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## 8. Exposure controls and personal protection

### Components with occupational exposure limits

No occupational exposure limits known.

### 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) etc. 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:	brownish yellow
Odour:	amine-like
Odour threshold:	No applicable information available.

BASF Safety data sheet

Date / Revised: 10.10.2016

Version: 4.0

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pH value:	The product has not been tested.
Melting point:	The product has not been tested.
Boiling point:	95 °C
Flash point:	approx. 130 - 150 °C
Evaporation rate:	not determined
Flammability (solid/gas):	not flammable
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:	< 1 hPa
Density:	approx. 0.93 - 0.97 g/cm <sup>3</sup> (25 °C) 0.92 - 1.17 g/cm <sup>3</sup> (23 °C)
Bulk density:	not applicable
Relative vapour density (air):	not determined
Miscibility with water:	immiscible
Hygroscopy:	Non-hygroscopic
Solubility (qualitative) solvent(s):	organic solvents soluble
Viscosity, dynamic:	100 - 200 mPa.s (23 °C)

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Solids content: 98 - 100 %

Other Information:

If necessary, information on other physical and chemical parameters is indicated in this section.

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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.

Hazardous decomposition products:

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 single ingestion. Of low toxicity after short-term skin contact.

### Irritation

Assessment of irritating effects:

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

### Respiratory/Skin sensitization

Assessment of sensitization:

Sensitization after skin contact possible.

### Germ cell mutagenicity

Assessment of mutagenicity:

The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

### Carcinogenicity

**Assessment of carcinogenicity:**

The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

**Reproductive toxicity****Assessment of reproduction toxicity:**

The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

**Developmental toxicity****Assessment of teratogenicity:**

The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

**Specific target organ toxicity (single exposure):**

Remarks: Based on available Data, the classification criteria are not met. 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:**

No reliable data was available concerning repeated dose toxicity. Based on available Data, the classification criteria are not met.

**Aspiration hazard**

No aspiration hazard expected.

**Other relevant toxicity information**

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. The product has not been tested. The statements on toxicology have 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.

**Mobility****Assessment transport between environmental compartments:**

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



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### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):

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

### **Bioaccumulation potential**

Assessment bioaccumulation potential:

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

### **Additional information**

Other ecotoxicological advice:

Do not allow to enter soil, waterways or waste water channels. 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:	II
ID number:	UN 2735
Hazard label:	8, EHS
Proper shipping name:	AMINES, LIQUID, CORROSIVE, N.O.S. (contains 3,6,9-TRIAZAUNDECAMETHYLENEDIAMINE, FATTY ACIDS, TALL-OIL, REACTION PRODUCTS WITH TETRAETHYLENEPENTAMINE)

### **Further information**

Hazchem Code:2X

IERG Number:36

### **Sea transport**

IMDG

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

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Hazard label: 8, EHSM  
Marine pollutant: YES  
Proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S. (contains 3,6,9-TRIAZAUNDECAMETHYLENEDIAMINE, FATTY ACIDS, TALL-OIL, REACTION PRODUCTS WITH TETRAETHYLENEPENTAMINE)

**Air transport**

IATA/ICAO

Hazard class: 8  
Packing group: II  
ID number: UN 2735  
Hazard label: 8  
Proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S. (contains 3,6,9-TRIAZAUNDECAMETHYLENEDIAMINE, FATTY ACIDS, TALL-OIL, REACTION PRODUCTS WITH TETRAETHYLENEPENTAMINE)

**15. Regulatory Information****Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP): Schedule 5

**Registration status:**

AICS, AU blocked / not listed

**16. Other 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. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.