

# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 11.07.2016  
Product: **MASTERFLOW 628 PART A**

Version: 3.0

(30431741/SDS\_GEN\_AU/EN)

Date of print 12.07.2016

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

### MASTERFLOW 628 PART A

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:

Skin corrosion/irritation: Cat. 2

Serious eye damage/eye irritation: Cat. 2A

Skin sensitization: Cat. 1

Hazardous to the aquatic environment - acute: Cat. 2

Hazardous to the aquatic environment - chronic: Cat. 2

Label elements and precautionary statement:

Pictogram:



Signal Word:  
Warning

**Hazard Statement:**

Causes serious eye irritation. Causes skin irritation. May cause an allergic skin reaction. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

**Precautionary Statements (Prevention):**

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

**Precautionary Statements (Response):**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER or doctor/physician. IF ON SKIN (or hair): Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention. Collect spillage.

**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

Blend based on: epoxy resin

#### Hazardous ingredients

**bisphenol A-epichlorohydrin resin**

Content (W/W):  $\geq 25\%$  -  $< 50\%$   
 CAS Number: 25068-38-6

Skin Corr./Irrit.: Cat. 2  
 Eye Dam./Irrit.: Cat. 2A  
 Skin Sens.: Cat. 1  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 2

**Neodecanoic acid, oxiranylmethyl ester**

Content (W/W):  $\geq 7\%$  -  $< 10\%$   
 CAS Number: 26761-45-5

Skin Corr./Irrit.: Cat. 2  
 Skin Sens.: Cat. 1  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 2

### 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:**

Symptoms: Eye irritation, skin irritation, allergic contact dermatitis

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

**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. If exposed to fire, keep containers cool by spraying with water. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Contaminated extinguishing water must be disposed of in accordance with official regulations.

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## 6. Accidental Release Measures

**Personal precautions:**

Do not breathe vapour/aerosol/spray mists. Wear eye/face protection. If exposed to high vapour concentration, leave area immediately. Use personal protective clothing. 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.

### Storage

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

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## 8. Exposure controls and personal protection

### Components with occupational exposure limits

Limestone, 1317-65-3;

TWA value 10 mg/m<sup>3</sup> (OEL (AU)), Inhalable dust

Titanium dioxide, 13463-67-7;

TWA value 10 mg/m<sup>3</sup> (ACGIHTLV)

TWA value 10 mg/m<sup>3</sup> (AU NOEL), Inhalable dust

This value is for inhalable dust containing no asbestos and < 1% crystalline silica.

TWA value 10 mg/m<sup>3</sup> (OEL (AU)), Inhalable dust

### 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:

Chemical resistant protective gloves (EN 374)

Manufacturer's directions for use should be observed because of great diversity of types.

Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing.

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Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374):  
 butyl rubber (butyl) - 0.7 mm coating thickness  
 fluoroelastomer (FKM) - 0.7 mm coating thickness

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN 374)  
 polyvinylchloride (PVC) - 0.7 mm coating thickness  
 chloroprene rubber (CR) - 0.5 mm coating thickness  
 nitrile rubber (NBR) - 0.4 mm coating thickness

**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:**

Do not inhale gases/vapours/aerosols. Avoid contact with the skin, eyes and clothing. Avoid exposure - obtain special instructions before use. Handle in accordance with good building materials hygiene and safety practice. Wearing of closed work clothing is recommended. 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: highly viscous  
 Colour: white  
 Odour: characteristic  
 Odour threshold: No applicable information available.

pH value: not applicable

Boiling point: > 100 °C

Flash point: > 200 °C

Flammability (solid/gas): not flammable

Lower explosion limit: not applicable

Upper explosion limit: not applicable

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Self heating ability: It is not a substance capable of spontaneous heating.

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Explosion hazard: not explosive  
Fire promoting properties: not fire-propagating

Vapour pressure:  
not applicable

Density: approx. 1.71 - 1.77 g/cm<sup>3</sup>  
(20 °C)  
1.64 g/cm<sup>3</sup>  
(55 °C)

Bulk density: 1,710 - 1,770 kg/m<sup>3</sup>  
not applicable

Miscibility with water:

immiscible

Hygroscopy: Non-hygroscopic

Viscosity, dynamic: < 5,500 mPa.s

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:

strong acids, strong bases, strong oxidizing agents, strong reducing agents

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:

Virtually nontoxic after a single ingestion. Based on available Data, the classification criteria are not met.

### Irritation

Assessment of irritating effects:

Eye contact causes irritation. Skin contact causes irritation.

### **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:  
Based on the ingredients there is no suspicion of a carcinogenic effect in humans. 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.

### **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 toxic for aquatic organisms. May cause long-term adverse effects in the aquatic environment. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

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

The substance will not evaporate into the atmosphere from the water surface. Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected.

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

The product is virtually insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plants.

**Bioaccumulation potential****Bioaccumulation potential:**

Because of the product's consistency and low water solubility, bioavailability is improbable.

**Additional information****Other ecotoxicological advice:**

Do not discharge product into the environment without control. The product has not been tested. The statements on ecotoxicology have 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:	9
Packing group:	III
ID number:	UN 3082
Hazard label:	9, EHSM
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains BISPHENOL-A-EPICHLORHYDRIN RESINS M <=700)

**Further information**

Hazchem Code:3Z



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**Sea transport**

## IMDG

Hazard class: 9  
Packing group: III  
ID number: UN 3082  
Hazard label: 9, EHSM  
Marine pollutant: YES  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S. (contains BISPHENOL-A-EPICHLORHYDRIN RESINS M  
<=700)

**Air transport**

## IATA/ICAO

Hazard class: 9  
Packing group: III  
ID number: UN 3082  
Hazard label: 9, EHSM  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S. (contains BISPHENOL-A-EPICHLORHYDRIN RESINS M  
<=700)

**Further information**

Environmentally Hazardous Substances meeting the description of UN 3077 or UN 3082 are not subjected to the Australian Dangerous Goods Code when transported by road or rail in packagings not exceeding 500 kg(L) or IBCs.

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**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 released / listed

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## 16. Other Information

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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. 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.