Safety data sheet

1. Substance/preparation and company identification

MASTERFLOW 622 PART B

Use: Product for construction chemicals

Company:
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

HAZARDOUS SUBSTANCE, DANGEROUS GOOD
Harmful in contact with skin.
Causes burns.
May cause sensitization by skin contact.
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Keep out of the reach of children.
Avoid contact with skin and eyes.
After contact with skin, wash immediately with plenty of water and soap.
Wear suitable gloves and eye/face protection.
If swallowed, seek medical advice immediately and show this container or label.
Avoid release to the environment. Refer to special instructions/safety data sheets.

3. Composition/information on ingredients

Chemical nature

Preparation based on: epoxy resin

Hazardous ingredients

triethylenetetramine
Content (W/W): >= 50 % - < 75 %
CAS Number: 112-24-3
Hazard symbol(s): C
R-phrase(s): 21, 34, 43, 52/53

bisphenol A-epichlorohydrin resin
Content (W/W): >= 20 % - < 25 %
CAS Number: 25068-38-6

Neodecanoic acid, oxiranylmethyl ester
Content (W/W): >= 7 % - < 10 %
CAS Number: 26761-45-5

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.

Note to physician:
Symptoms: Eye irritation, skin irritation, allergic contact dermatitis

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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: tin (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.

8. Exposure controls and personal protection

Components with workplace control parameters

no exposure standard allocated

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:	dark blue
Odour:	characteristic
pH value:	> 12 (23 °C) neutral to slightly alkaline
:	> 100 °C not applicable
Flash point:	> 100 °C negligible
Flammability:	does not ignite

Lower explosion limit:
not applicable
Upper explosion limit:
not applicable
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 applicable

Density: 0.960 - 1.000 g/cm3
(23 °C)
Bulk density:
not applicable

Miscibility with water:
immiscible
Hygroscopy: Non-hygroscopic

Viscosity, dynamic:
not applicable

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

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.

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.

Sensitization

Assessment of sensitization:
Sensitization after skin contact possible.

Repeated dose toxicity

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

Genetic toxicity

Assessment of mutagenicity:
The chemical structure does not suggest a specific alert for such an effect.

Carcinogenicity

Assessment of carcinogenicity:
Based on the ingredients there is no suspicion of a carcinogenic effect.

Reproductive toxicity

Assessment of reproduction toxicity:
The chemical structure does not suggest a specific alert for such an effect.

Developmental toxicity

Assessment of teratogenicity:
The chemical structure does not suggest a specific alert for such an effect.

Other relevant toxicity information

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

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

Persistence and degradability

Assessment biodegradation and elimination (H2O):
Not readily biodegradable (by OECD criteria).

Bioaccumulation potential

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

Additional information

Other ecotoxicological advice:
Acutely toxic for aquatic organisms. Do not discharge product into the environment without control.

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 3267
Hazard label:	8, EHSM
Proper shipping name:	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (contains TRIETHYLENETETRAMINE, BISPHENOL-A-EPICHLORHYDRIN RESINS M <=700)

Further information
Hazchem Code:2X
IERG Number:36

Sea transport
IMDG

Hazard class:	8
Packing group:	III
ID number:	UN 3267
Hazard label:	8, EHSM
Marine pollutant:	YES
Proper shipping name:	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (contains TRIETHYLENETETRAMINE, BISPHENOL-A-EPICHLORHYDRIN RESINS M <=700)

Air transport
IATA/ICAO

Hazard class:	8
Packing group:	III
ID number:	UN 3267
Hazard label:	8
Proper shipping name:	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (contains TRIETHYLENETETRAMINE, BISPHENOL-A-EPICHLORHYDRIN RESINS M <=700)

15. Regulatory Information

Poisons Schedule: Not scheduled

Regulations of the European union (Labelling)

as in Annex I of Directive 67/548/EEC:

Hazard symbol(s)

C	Corrosive.
N	Dangerous for the environment.

R-phrase(s)

R21	Harmful in contact with skin.
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.

S-phrase(s)	
S2	Keep out of the reach of children.
S24/25	Avoid contact with skin and eyes.
S28.1	After contact with skin, wash immediately with plenty of water and soap.
S37/39	Wear suitable gloves and eye/face protection.
S46	If swallowed, seek medical advice immediately and show this container or label.
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.

Contains epoxy-containing compounds. Observe manufacturer's instructions.
May produce an allergic reaction.

Hazard determining component(s) for labelling: TRIETHYLENETETRAMINE, BISPHENOL-A-EPICHLORHYDRIN RESINS M <=700

Other regulations

as in Annex I of Directive 67/548/EEC

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

Registration status:

AICS, AU	released / listed

16. Other Information

Full text of hazard symbols and R-phrases if mentioned as hazardous components in chapter 3:

C	Corrosive.
21	Harmful in contact with skin.
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.

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.