

MATERIAL SAFETY DATA SHEET

According to NOHSC: 2011 (2003) and HSNO CoP 8-1 (September 2006)

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: MASTERTOP B1

Other name: None allocated

Recommended use: Part B of a multi-component, epoxy flooring for concrete.

Supplier: BASF Construction Chemicals Australia Pty Ltd.
ABN 46 000 450 288
BASF New Zealand Ltd.

Address: 11 Stanton Road,
Seven Hills, NSW, 2147
Australia
45 William Pickering Drive,
Albany, Auckland,
New Zealand

Telephone number: +61 2 8811 4200 +64 9 414 7233

Facsimile: +61 2 8811 3299 +64 9 414 7244

Emergency telephone number: +61 417 658 263

2. HAZARDS IDENTIFICATION

Hazard classification: HAZARDOUS SUBSTANCE. DANGEROUS GOODS
Dangerous goods according to the ADG code.
Hazardous according to the criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001 and NOHSC

Hazard Designation: C - Corrosive

HSNO Classification

6.5B	Contact sensitiser (dermal)
8.2C	Corrosive to skin
8.3A	Corrosive to eyes

Risk phrase(s): R34 Causes burns.
R43 May cause sensitisation by skin contact

Safety phrase(s): S26 In case of contact with eyes, rinse with plenty of water and seek medical attention.
S28 After contact with skin, wash immediately with plenty of soap and water.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterisation:

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Proportion</u>
4,4'-Methylenebis(cyclohexylamine)	1761-71-3	30 - 60%
Bisphenol-A epoxy resin	25068-38-6	< 10%
N,N-dimethyl-1,3-propanediamine	109-55-7	< 10%
o-Cresyl glycidyl ether	2210-79-9	< 10%
Non hazardous ingredients		to 100%

4. FIRST AID MEASURES

Inhalation: Use in well ventilated areas. If inhalation does occur, remove victim from exposure. If difficulty with breathing, administer oxygen. If breathing has stopped administer artificial respiration. Seek medical attention.

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<u>Eyes:</u>	While holding eyes open, gently flood with plenty of fresh water for 15 minutes. Seek medical attention. Skilled personnel should only undertake removal of contact lenses after an eye injury.
<u>Skin:</u>	Remove contaminated clothing. Remove excess from skin mechanically. Wash contacted areas thoroughly with soap and water. If irritation develops seek medical attention. Wash contaminated clothing before re-use.
<u>Ingestion:</u>	Not a normal route of injury. Do not induce vomiting; give large quantities of water; get immediate medical attention. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquids into lungs. Do NOT give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

<u>Suitable extinguishing media:</u>	Foam, CO ₂ and Dry Chemical.
<u>Hazards from combustion products:</u>	Oxides of carbon and nitrogen and other possibly toxic fumes from fire.
<u>Precautions/equipment for fire fighters:</u>	Full protective clothing (as per personal protection in section 8).
<u>Hazchem code:</u>	3X

6. ACCIDENTAL RELEASE MEASURES

<u>Methods and materials for containment and clean up:</u>	Spills should be contained by bunding and absorbing with dry inert filler (e.g. vermiculite, sand, soil etc), which can then be shovelled into appropriately labelled drums. Disposal should be effected by an approved waste disposal organisation according to local regulations.
<u>Environmental precautions:</u>	Avoid subsoil penetration. Do not allow to enter into drains, sewers or waterways.

7. HANDLING AND STORAGE

<u>Precautions for safe handling:</u>	Wear personal protective equipment (PPE) as per Section 8. Provide for good ventilation. Avoid skin contact. Avoid generation of aerosols.
<u>Conditions for safe storage:</u>	Keep containers tightly closed; store under cool dry conditions. Keep away from food and drink. Keep out of reach of children. Store under cover and away from direct sunlight and moisture. Store at 5°C to 35°C. Keep away from incompatible materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Engineering Controls:</u>	Ventilation is recommended under normal use conditions. State regulations on speed and direction of airflow away from operators must be observed. Keep containers closed when not in use.
<u>Exposure Standards</u>	None established for this product.
<u>Personal Protective Equipment (PPE):</u>	
<u>Respiratory protection:</u>	Type A1 if ventilation is inadequate
<u>Glove type (AS2161):</u>	Chemical resistant, impervious gloves e.g. PVC, butyl rubber or nitrile rubber gauntlets (consult your local glove supplier/manufacturer).
<u>Eye protection:</u>	Chemical worker's goggles or full face shield.
<u>Clothing:</u>	No special clothing required but overalls or other suitable industrial clothing which

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provides full skin coverage are suggested as a general precaution, especially where heavy contamination is likely.

Other:

Use barrier creams to protect skin from contact with the material. Do not eat drink or smoke while working with the material. Always wash hands before smoking, eating, drinking or using the toilet and after finishing work. Observe the usual precautions when handling chemicals.

9. PHYSICAL AND CHEMICAL PROPERTIES

<u>Appearance:</u>	Clear, colourless to slight amber, low viscosity liquid
<u>Odour:</u>	Ammoniacal
<u>pH:</u>	> 12 (1:1 mixture)
<u>Explosion Limit:</u>	Not applicable
<u>Vapour pressure:</u>	< 2 kPa (25°C)
<u>Solubility in water:</u>	Soluble
<u>Specific gravity:</u>	approx. 1.0 g/cm ³
<u>Melting point:</u>	Not available
<u>Flash point:</u>	> 100°C
<u>Boiling point:</u>	> 100 °C

10. STABILITY AND REACTIVITY

<u>Chemical stability:</u>	Stable under normal storage and application temperature.
<u>Incompatible materials:</u>	Strong acids, bases and oxidising agents.
<u>Hazardous decomposition products:</u>	Oxides of carbon and nitrogen and other possibly toxic fumes from fire.
<u>Hazardous reactions:</u>	Hazardous polymerisation will not occur.

11. TOXICOLOGICAL INFORMATION

<u>Health Hazard Summary:</u>	Susceptible individuals may develop allergic reactions such as dermatitis or asthma-like symptoms on a single significant skin exposure or may become sensitised to the material on repeated contact. Corrosive to eyes and skin. May cause sensitisation by skin contact.
<u>Inhalation:</u>	Harmful by inhalation. Irritant to the respiratory tract.
<u>Eyes:</u>	Corrosive. May cause permanent damage to the eye.
<u>Skin contact:</u>	Corrosive. Repeated/prolonged exposure may cause dermatitis or sensitisation.
<u>Ingestion:</u>	Harmful if swallowed. [Oral, rat LD ₅₀ > 1000mg/kg]
<u>Toxicity Data:</u>	Not available.

12. ECOLOGICAL INFORMATION

<u>Ecology:</u>	Do not discharge into sewers unless connected to a wastewater treatment plant.
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13. DISPOSAL CONSIDERATIONS

<u>Disposal method and containers:</u>	Ensure containers are sealed. Dispose of to an approved land fill site. Refer to Waste Management Authority.
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Special precautions
(landfill/incineration): None known

14. TRANSPORT INFORMATION

UN number: 1760
UN proper shipping name: CORROSIVE LIQUID, N.O.S. (CONTAINS AMINES)
Dangerous goods class: 8
Subsidiary risk: None allocated
Packing group: III
Hazchem code: 3X

15. REGULATORY INFORMATION

NICNAS / AICS: All components are listed
Poisons Schedule: Schedule 5
HSNO Classifications: 6.5B, 8.2C, 8.3A
ERMA Group Standard: HSR002542
ERMA / NZIoC: All components are listed
Tracking: Not required
Approved Handler: Not required

16. OTHER INFORMATION

Reason for issue: Update to combined Australia and New Zealand MSDS.

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request. All information contained in this MSDS is as accurate and up-to-date as possible. No warranty expressed or implied is made as to its accuracy, reliability or completeness.