

# 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 TC 406 PART B**

Other name: None allocated

Recommended use: Part B of a two component, water based epoxy primer.

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

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## 2. HAZARDS IDENTIFICATION

Hazard classification: HAZARDOUS SUBSTANCE. \*\*NON DANGEROUS GOODS  
Non Dangerous goods for transport according to ADG 7 (Special provision AU01)  
\*\*Dangerous good for transport according to IMDG / IATA  
Hazardous according to the criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001 and NOHSC

Hazard Designation: Xi Irritant  
N Dangerous to the environment

HSNO Classification 6.1D Acutely toxic  
6.3A Irritating to the skin  
6.4A Irritating to the eye  
6.5B Contact sensitiser (dermal)  
9.1B Toxic to aquatic life with long lasting effects

Risk phrase(s): R20/22 Harmful by inhalation and if swallowed.  
R36/38 Irritating to eyes and skin.  
R43 May cause sensitisation by skin contact  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Safety phrase(s): S2 Keep out of reach of children.  
S24/25 Avoid contact with skin and eyes  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S28 After contact with skin, wash immediately with plenty of soap and water.  
S37/39 Wear suitable gloves and eye/face protection  
S57 Use appropriate containment to avoid environmental contamination  
S60 This material and its container must be disposed of as hazardous waste.

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## 3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Proportion</u>
Epoxy Resin Dispersion	Proprietary	30 - 60%
1 Methoxy Propanol	107-98-2	1 - 10%
4,4'-Dihydroxy-2,2-Diphenylpropane	25068-38-6	1 - 10%
Benzyl Alcohol	100-51-6	1 - 10%
Water	7732-18-5	30 - 60%

## 4. FIRST AID MEASURES

<u>Inhalation:</u>	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.
<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>	As for surrounding fire. Water Spray or Fog, Foam, Carbon Dioxide (CO <sub>2</sub> ) and Dry Powder.
<u>Hazards from combustion products:</u>	Heat may cause water fractions to boil leading to expansion or decomposition with violent rupture of containers. Decomposes on heating and may produce toxic fumes of carbon oxides and smoke.
<u>Precautions for fire fighters:</u>	Combustible liquid. Flash point >70°C. Avoid heat and ignition sources. Wear breathing apparatus plus protective clothing. Prevent, by any means available, spillage from entering drains or watercourses. Use fire-fighting procedures suitable for surrounding area. DO NOT approach containers suspected to be hot. Cool fire exposed containers with water spray from a protected location. If safe to do so, remove containers from path of fire. Equipment should be thoroughly decontaminated after use
<u>Hazchem code:</u>	3Z

## 6. ACCIDENTAL RELEASE MEASURES

<u>Methods &amp; materials for containment &amp; clean up:</u>	Stop leak if safe to do so. Spills should be contained by bunding and absorbing with dry inert filler e.g. vermiculite, sand, soil etc, (DO NOT use sawdust) which can then be shovelled into appropriately labelled drums. Disposal should be effected by an approved waste disposal organisation according to local regulations. Wash area and prevent runoff into drains or waterways.
<u>Environmental precautions:</u>	Avoid subsoil penetration. Prevent spillage from entering drains, sewers or waterways. If contamination of drains, sewers or waterways occurs, advise emergency services.

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## 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>	Store undercover out of direct sunlight and away from frost and moisture. Keep containers tightly closed. Keep away from food and drink. Keep out of reach of children. DO NOT USE brass, copper, aluminium, galvanised or tin-plated containers or stirrers. Segregate from strong oxidising agents, acids and alkalis and amines.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Engineering Controls:</u>	Natural ventilation should be adequate under normal use conditions. If used in a confined space or if the material is heated, use exhaust or forced air ventilation or self contained breathing apparatus. 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.
<u>Personal Protective Equipment (PPE):</u>	
<u>Respiratory protection:</u>	Avoid breathing vapours. Select and use respirators in accordance with AS/NZS 1715/1716. The use of a half face organic vapour with combined P1 (dust/mist) respirator with replaceable filters is recommended. Filter capacity and respirator type depends on exposure levels and type of contaminant. For confined spaces, self contained breathing apparatus should be used.
<u>Glove type (AS2161):</u>	Chemical resistant, impervious gloves e.g. neoprene or nitrile rubber gauntlets (consult your local glove supplier/manufacturer).
<u>Eye protection:</u>	Chemical worker's goggles, well fitting safety glasses or full face shield.
<u>Clothing:</u>	No special clothing required but overalls or other suitable industrial clothing which provides full skin coverage are suggested as a general precaution, especially where heavy contamination is likely.
<u>Other:</u>	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>	White liquid.
<u>Odour:</u>	Characteristic
<u>pH:</u>	Not available.
<u>Solubility in water:</u>	Miscible
<u>Specific gravity:</u>	Approx. 1.15 g/cm <sup>3</sup> (20 °C)
<u>Boiling point:</u>	>100 °C
<u>Flash point:</u>	>100 °C (Pensky Martin Closed Cup)
<u>Volatile Organics:</u>	< 60 g/ltr

## 10. STABILITY AND REACTIVITY

<u>Chemical stability:</u>	Normally stable when stored in original sealed containers in cool dry conditions. Not sensitive to mechanical impact.
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<u>Incompatible materials:</u>	Strong oxidising agents, acids, alkalis and amines.
<u>Hazardous decomposition products:</u>	Decomposes on heating and may produce toxic fumes of carbon monoxide (CO). May emit acrid smoke. Combustion products include oxides of carbon and nitrogen.
<u>Hazardous reactions:</u>	Reacts with amines to polymerise releasing heat.

## 11. TOXICOLOGICAL INFORMATION

<u>Health Hazard Summary:</u>	Primary route of exposure is usually by skin contact/eye contact with the material and inhalation of vapour from the curing material. Prolonged or repeated skin contact may lead to dermatitis. Prolonged contact may cause severe eye irritation and some form of permanent eye damage. Prolonged or repeated skin contact with this substance will cause sensitisation on skin contact. As with any chemical product, contact with unprotected bare skin; inhalation of vapour, mist or dust in workplace atmosphere; or ingestion in any form, should be avoided by observing good occupational work practice.
<u>Inhalation:</u>	Inhalation of vapour is more likely at higher than normal temperatures. The vapour is discomforting to the upper respiratory tract and repeated exposure may cause sensitisation and/or allergic reactions. Inhalation of vapour may result in nausea, dizziness, headache and loss of coordination. Inhalation of vapour may aggravate a pre-existing respiratory condition such as asthma, bronchitis or emphysema.
<u>Eyes:</u>	Irritant. The liquid is discomforting to the eyes and is capable of causing tearing, pain, stinging and blurred vision. Depending on severity and duration of contact, eye damage may occur. Seek medical advice.
<u>Skin contact:</u>	Irritant. The liquid is discomforting to the skin if exposure is prolonged and may cause skin sensitisation. Sensitisation may result in allergic dermatitis responses including rash, itching, and hives or swelling extremities. Bare unprotected skin should not be exposed to this material. The material may accentuate any pre-existing dermatitis condition.
<u>Ingestion:</u>	Considered an unlikely route of entry in commercial/industrial environments. The liquid is discomforting to the gastro-intestinal tract and may be harmful if swallowed in large quantity. Ingestion may result in irritation to the tongue and lips, nausea, abdominal irritation, pain, vomiting and diarrhoea.

## 12. ECOLOGICAL INFORMATION

<u>Ecology:</u>	Do not discharge into drains, sewers or waterways. Do not allow to be absorbed into soil. Degradability not determined. Toxic to aquatic organisms, may cause long-term adverse effects to the aquatic environment. This product is not readily biodegradable. Material is expected to cause long-term adverse effects on the aquatic environment.
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## 13. DISPOSAL CONSIDERATIONS

<u>Disposal method and containers:</u>	Ensure containers are sealed. Dispose of material through a licensed waste contractor. Refer to Waste Management Authority. Prior to disposal in a landfill, MASTERTOP TC 406 Part A should be mixed with MASTERTOP TC 406 Part B in the correct ratio's to set off the material and render the material inert.
<u>Special precautions (landfill/incineration):</u>	Normally suitable for disposal at approved land waste site after reacting A & B. Material may be disposed of by controlled burning in an approved incinerator

## 14. TRANSPORT INFORMATION

Not subject to the ADG Code when transported by Road or Rail. (ADG 7, Special Provision AU01).

Dangerous goods for transport according to IMDG / IATA



The Chemical Company

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UN number: 3082  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS EPOXY RESIN)  
Dangerous goods class: 9  
Subsidiary risk: None assigned  
Packing group: III  
Hazchem code: 3Z

## 15. REGULATORY INFORMATION

NICNAS / AICS: All components are listed  
Poisons Schedule: Schedule 5  
HSNO Classifications: 6.1D; 6.3A, 6.4A, 6.5B, 9.1B  
ERMA Group Standard: HSR002544  
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.