

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 A

Other name: Not applicable

Recommended use: Part A of a two component, water based epoxy floor coating.

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. NON DANGEROUS GOODS
Non Dangerous goods for transport according to the ADG code.
Hazardous according to the criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001 and NOHSC

Hazard Designation: Xi Irritant

HSNO Classification

6.1D	Acutely toxic (oral/inhalation)
6.3A	Irritating to the skin
6.4A	Irritating to the eye
6.5B	Contact sensitisers

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.

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.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Proportion</u>
Aliphatic Polyamine Dispersion	Proprietary	10 - 30%
3-aminoethyl-3,5,5-trimethylcyclohexylamine	2855-13-2	< 1%
1,3-bis(aminomethyl) benzene	1477-55-0	< 1%
Isopropanol	67-63-0	1 - 10%
Water	7732-18-5	10 - 30%
Other 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.

MATERIAL SAFETY DATA SHEET

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

<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>	Water Spray or Fog, Foam, Carbon Dioxide (CO ₂) 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 monoxide (CO). May emit acrid smoke. Combustion products include carbon dioxide (CO ₂), nitrogen oxides (NO _x) and amines.
<u>Precautions/equipment for fire fighters:</u>	As for surrounding fire. Heat may cause expansion or decomposition with violent rupture of containers. 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. Wear self-contained breathing apparatus and full protective gear.
<u>Hazchem code:</u>	None allocated

6. ACCIDENTAL RELEASE MEASURES

<u>Methods and materials for containment and 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.
<u>Environmental precautions:</u>	Do not contaminate streams, rivers or water courses. Do not flush down drains and sewers. Inform local authority if liquid enters drains, sewers, streams, etc.

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. Store away from frost. Keep away from food and drink. Keep out of reach of children. DO NOT USE brass, copper, aluminium, galvanised or tin-plated containers/stirrers. Segregate from epoxy resins, strong oxidising agents, acids and alkalis.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Engineering Controls:</u>	Ensure adequate ventilation. Natural ventilation should be adequate under normal use conditions. Keep containers closed when not in use.
<u>Exposure Standards</u>	None applicable for this product.
<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.

MATERIAL SAFETY DATA SHEET

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

<u>Glove type (AS2161):</u>	Barrier cream with neoprene or nitrile rubber gloves or gauntlets.
<u>Eye protection:</u>	Chemical goggles or safety glasses with side shields or 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>	Various coloured liquid dispersion; mixes with water.
<u>Odour:</u>	Characteristic
<u>Volatile Organics:</u>	60 g/ltr
<u>Solubility in water:</u>	Soluble
<u>Specific gravity:</u>	Approx. 1.05 g/cm ³
<u>Flash point:</u>	Not applicable
<u>Boiling point:</u>	approx. 100°C

10. STABILITY AND REACTIVITY

<u>Chemical stability:</u>	Stable under normal storage and prolonged exposure.
<u>Incompatible materials:</u>	Strong acids, alkalis and oxidising agents.
<u>Hazardous decomposition products:</u>	Decomposes on heating and may produce toxic fumes of carbon monoxide (CO). May emit acrid smoke. Combustion products include carbon dioxide (CO ₂), nitrogen oxides (NO _x) and amines.
<u>Hazardous reactions:</u>	Hazardous polymerisation will not occur.

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. Sensitisation may give severe responses to very low levels of exposure, in situations where exposure may occur. 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 and headache. Inhalation of vapour may aggravate a pre-existing respiratory condition such as asthma, bronchitis or emphysema.
<u>Eyes:</u>	The liquid is discomforting to the eyes and is capable of causing a mild, temporary redness of the conjunctiva (similar to wind-burn), temporary impairment of vision and/or other transient eye damage/ulceration.
<u>Skin contact:</u>	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, hives or swelling extremities. Bare unprotected skin should not be exposed to this material. The material may accentuate any pre-existing dermatitis condition.

MATERIAL SAFETY DATA SHEET

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

Ingestion: 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 nausea, abdominal irritation, pain and vomiting.

Toxicity Data: Not available.

12. ECOLOGICAL INFORMATION

Ecology: No ecological data available. Degradability not determined. Do not discharge into drains, sewers or waterways.

13. DISPOSAL CONSIDERATIONS

Disposal method and containers: 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.

Special precautions (landfill/incineration): 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

UN number: None allocated

Proper shipping name: None allocated

Dangerous goods class: None allocated

Subsidiary risk: None allocated

Packing group: None allocated

Hazchem code: None allocated

15. REGULATORY INFORMATION

NICNAS / AICS: All components are listed

Poisons Schedule: 5

HSNO Classifications: None allocated

ERMA Group Standard: None allocated

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.