

# MATERIAL SAFETY DATA SHEET

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

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

<u>Product name:</u>	<b>EMACO APS T2040 - PART BS, B, BF</b>	
<u>Other name:</u>	MASTERTOP APS 2001C – Part BS, B, BF	
<u>Recommended use:</u>	Part B of a three component, low temperature curing repair mortar or coating.	
<u>Supplier:</u>	BASF Construction Chemicals Australia Pty Ltd. ABN 46 000 450 288	BASF New Zealand Ltd.
<u>Address:</u>	11 Stanton Road, Seven Hills, NSW, 2147 Australia	45 William Pickering Drive, Albany, Auckland, New Zealand
<u>Telephone number:</u>	+61 2 8811 4200	+64 9 414 7233
<u>Facsimile:</u>	+61 2 8811 3299	+64 9 414 7244
<u>Emergency telephone number:</u>	+61 417 658 263	

## 2. HAZARDS IDENTIFICATION

<u>Hazard classification:</u>	HAZARDOUS SUBSTANCE. NON DANGEROUS GOODS. Hazardous according to the criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001	
<u>Hazard Designation:</u>	Xi Irritant	
<u>HSNO Classification</u>	6.4A	Irritating to the eyes
	6.5B	Contact sensitiser (dermal)
	9.1C	Harmful to aquatic life with long lasting effects
	R36	Irritating to eyes.
	R43	May cause sensitisation by skin contact.
<u>Risk phrase(s):</u>	R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
	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.
<u>Safety phrase(s):</u>	S35	This material and its container must be disposed of in a safe way.
	S37	Wear suitable gloves.
	S46	If swallowed, seek medical advice immediately and show this container or label.
	S64	If swallowed, rinse mouth with water (only if the person is conscious)

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

### Chemical Characterisation:

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Proportion</u>
Xylene	1330-20-7	2.5 - 10%
4-tert-Butylbrenzcatechin	98-29-3	0.5 -2.5%
Non hazardous ingredients		to 100%

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## 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.
- Eyes: 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.
- Skin: Remove contaminated clothing. Remove excess from skin mechanically. Wash contacted areas thoroughly with soap and water. Do not use solvents or thinners. If irritation develops seek medical attention. Wash contaminated clothing before re-use.
- Ingestion: 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

- Suitable extinguishing media: Alcohol resistant foam, CO<sub>2</sub>, dry chemical and water spray
- Hazards from combustion products: Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard
- Precautions and equipment for fire fighters: Appropriate breathing apparatus may be required. Cool endangered containers with water in case of fire. Do not allow the quenching water into the sewage system.
- Hazchem code: None allocated

## 6. ACCIDENTAL RELEASE MEASURES

- Methods and materials for containment and clean up: Remove ignition sources. Provide for sufficient ventilation. Do not inhale the vapour. Refer to protective measures listed in sections 7 and 8.  
Contain and collect spillage with non-combustible absorbent material, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean preferably with a detergent; avoid use of solvents
- Environmental precautions: Do not empty into drains, sewers or waterways. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations

## 7. HANDLING AND STORAGE

- Precautions for safe handling: Wear personal protective equipment (PPE) as per Section 8.  
The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Avoid contact with skin and eyes. Do not inhale the vapour. Do not eat or drink during work – no smoking. Comply with the health and safety at work laws.
- Conditions for safe storage: Keep containers tightly closed. Containers should be kept dry and sealed. Containers, which are opened, must be carefully resealed and kept upright to prevent leakage. Store under cool dry conditions. Avoid heating and direct sunlight. Keep away from ignition sources – no smoking. Keep out of reach of children.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Engineering Controls: Ensure adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If

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	these are not sufficient to maintain concentrations of particles below the OEL (Occupational Exposure Limit), suitable respiratory protection must be worn.
<u>Exposure Standards</u>	Xylene (CAS No. 1330-20-7): ES TWA: 50 ppm (217 mg/m <sup>3</sup> ) NZ WES-TWA: 50 ppm (217 mg/m <sup>3</sup> )
<u>Personal Protective Equipment (PPE):</u>	
<u>Respiratory protection:</u>	Under confined conditions or where ventilation is inadequate it is recommended to wear a respirator fitted with cartridges suitable for acrylic vapours or a self contained breathing apparatus.
<u>Glove type (AS2161):</u>	Impervious gloves e.g. butyl or nitrile rubber gauntlets.
<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>	Violet liquid
<u>Odour:</u>	Characteristic odour
<u>pH:</u>	approx. 6
<u>Vapour pressure:</u>	Not available
<u>Solubility in water:</u>	Insoluble
<u>Specific gravity:</u>	approx. 2.53 g/cm <sup>3</sup> (at 20°C)
<u>Melting point:</u>	Not available
<u>Flash point:</u>	> 101°C [DIN 53213]
<u>Boiling point:</u>	> 135°C (1013 hPa)
<u>Flammability limits:</u>	Not applicable
<u>Flow time:</u>	600 s (ISO cup 4 mm at 20°C)

## 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.
<u>Incompatible materials:</u>	Keep away from oxidising agents, strong acids and strong alkalis in order to avoid exothermic reactions.
<u>Hazardous decomposition products:</u>	When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.
<u>Hazardous reactions:</u>	Hazardous polymerisation will not occur.

**11. TOXICOLOGICAL INFORMATION**

<u>Health Hazard Summary:</u>	The product was classified in toxicological terms on the basis of the results of the calculation procedure outlined with General Directive on Preparations (1999/45/EC).
<u>Inhalation:</u>	Possible irritation of mucous membranes.
<u>Eyes:</u>	Possible irritant.
<u>Skin contact:</u>	In case of contact with the product: danger of resorption through the skin, irritation of skin/mucous membranes.
<u>Ingestion:</u>	The product may be harmful by ingestion.
<u>Toxicity Data:</u>	Not available

**12. ECOLOGICAL INFORMATION**

<u>Ecotoxicity:</u>	Do not discharge into drains, sewers or waterways. Degradability not determined.	
<u>Aquatic toxicity</u>	Specification:	Toxicity to fish (Xylene; CAS No.: 1330-20-7)
	Parameters:	LC50 Species: Trout
	Value / dosage:	3.77 mg/L
	Test period:	96 hours
<u>Aquatic toxicity</u>	Specification:	Toxicity to Daphnia (Xylene; CAS No.: 1330-20-7)
	Parameters:	EC50 Species: Daphnia magna Straus 1820
	Value / dosage:	7.4 mg/L
	Test period:	48 hours

**13. DISPOSAL CONSIDERATIONS**

<u>Disposal method and containers:</u>	Contaminated packaging must be emptied of all residues and, following appropriate cleaning, may be sent to a recycling plant. Uncleaned packaging must be disposed of in the same manner as the medium. Ensure containers are sealed. Dispose of to an approved land fill site. Refer to Waste Management Authority.
<u>Special precautions (landfill/incineration):</u>	None known

**14. TRANSPORT INFORMATION**

<u>UN number:</u>	None allocated
<u>UN proper shipping name:</u>	None allocated
<u>Dangerous goods class:</u>	None allocated
<u>Subsidiary risk:</u>	None allocated
<u>Packing group:</u>	None allocated
<u>Hazchem code:</u>	None allocated

**15. REGULATORY INFORMATION**

NICNAS / AICS:	All components are listed
Poisons Schedule:	Not Scheduled
HSNO Classifications:	6.4A, 6.5B, 9.1C

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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.