



The Chemical Company

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: EMACO APS T2040 - PART A

Other name: MASTERTOP APS 2001C – Part A

Recommended use: Part A of a three component, low temperature curing repair mortar or 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.
Hazardous according to the criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001

Hazard Designation: Xi Irritant

HSNO Classification

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.
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.

Safety phrase(s):

S35	This material and its container must be disposed of in a safe way.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
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:

Chemical Name	CAS Number	Proportion
Acrylic monomer, reactive	127244-43-3	25 - 50%
Hydroxypropyl methacrylate	27813-02-1	10 -< 30%
3-Trimethoxysilylpropylmethacrylate	2530-85-0	< 10%
Isobornylmethacrylate	899990-40-8	< 10%

1,4-Butanediolmethacrylate

2082-81-7

< 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.
- 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, CO₂, 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

<u>Engineering Controls:</u>	Ensure adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If 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>	None applicable for this product.
<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>	Grey liquid
<u>Odour:</u>	Characteristic acrylic odour
<u>pH:</u>	Not available
<u>Vapour pressure:</u>	approx. 130 hPa (50°C)
<u>Solubility in water:</u>	Insoluble
<u>Specific gravity:</u>	approx. 1.1 g/cm ³ (at 20°C)
<u>Melting point:</u>	Not available
<u>Flash point:</u>	101°C [DIN 53213]
<u>Boiling point:</u>	100°C (1013 hPa)
<u>Flammability limits:</u>	Not applicable
<u>Viscosity:</u>	100 mPa.s (23°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 (Acrylic monomer, reactive; CAS No.: 127244-43-3)
	Parameters:	LC0 Cyprinus carpi
	Value / dosage:	18 mg/L
	Test period:	96 hours
	Specification:	Toxicity to fish (acrylic monomer, reactive; CAS No.: 127244-43-3)
	Parameters:	LC50 Cyprinus carpio
	Value / dosage:	74.8 mg/L
	Test period:	96 hours
	Specification:	Toxicity to daphnia (Acrylic monomer, reactive; CAS No.: 127244-43-3)
	Parameters:	EC50
	Species:	Daphnia magna Straus 1820
	Value / dosage:	100 – 180 mg/L
	Test period:	48 hours
	Specification:	Toxicity to fish (Hydroxypropyl methacrylate: CAS No. 27813-02-1)
Parameters:	LC50 Leuciscus idus	
Value / dosage:	493 mg/L	
Test period:	48 hours	
Specification:	Toxicity to fish (3-Trimethoxysilylpropylmethacrylate; CAS 2530-85-0)	
Parameters:	LC50 Brachydanio rerio	
Value / dosage:	> 1024 mg/L	
Test period:	96 hours	
Specification:	Toxicity to fish (3-Trimethoxysilylpropylmethacrylate; CAS 2530-85-0)	
Parameters:	LC0 Brachydanio rerio	
Value / dosage:	1024 mg/L	
Test period:	96 hours	
Specification:	Toxicity to daphnia (3-Trimethoxysilylpropylmethacrylate CAS 2530-85-0)	
Parameters:	EC50	
Species:	Daphnia magna Straus 1820	
Value / dosage:	> 876 mg/L	
Test period:	48 hours	

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13. DISPOSAL CONSIDERATIONS

Disposal method and containers: 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.

Special precautions (landfill/incineration): None known

14. TRANSPORT INFORMATION

UN number: None allocated

UN 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: Not Scheduled

HSNO Classifications: 6.4A, 6.5B, 9.1C

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.