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 C**	
Other name:	MASTERTOP APS 2001C – Part C	
Recommended use:	Part C 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: Xn - Harmful

Silica, Crystalline Quartz – Human Carcinogen

HSNO Classification	6.4A	Irritating to the eyes
	6.5B	Contact sensitiser (dermal)
	6.9B	Harmful to human target organs and systems (inhalation)
Risk phrase(s):	R36	Irritating to eyes.
	R43	May cause sensitisation by skin contact.
	R48/20	Danger of serious damage to health by prolonged exposure through inhalation.
Safety phrase(s):	S2	Keep out of the reach of children
	S3/7	Keep container tightly closed in a cool place
	S14	Keep away from all substances.
	S22	Do not breathe dust.
	S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
	S38	If insufficient ventilation, wear suitable respiratory equipment.

3. COMPOSITION / INFORMATION ON INGREDIENTS

***Chemical Characterisation*:** Active filler containing benzoylperoxide for three part mortar

Chemical Name	***CAS Number***	***Proportion***
Dibenzoylperoxide	94-36-0	<10%
Quartz filler blend	14808-60-7	>60%
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, carbon dioxide (CO_2), dry chemical and water spray
Hazards from combustion products:	Under fire conditions may produce oxides of carbon and other possibly toxic fumes.
Precautions and equipment for fire fighters:	Appropriate breathing apparatus may be required. Do not allow the quenching water into drains, sewage system or waterways.
Hazchem code:	None allocated

6. ACCIDENTAL RELEASE MEASURES

Methods and materials for containment and clean up:	Spills should be carefully swept up and then shovelled into appropriately labelled containers. Disposal should be effected by an approved waste disposal organisation according to local regulations.
Environmental precautions:	Do not empty into drains, sewers or waterways.

7. HANDLING AND STORAGE

Precautions for safe handling:	Wear personal protective equipment (PPE) as per Section 8. Avoid contact with skin and eyes. Do not inhale dust. 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 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 these are not sufficient to maintain concentrations of particles below the OEL (Occupational Exposure Limit), suitable respiratory protection must be worn.
Exposure Standards	Silica, Crystalline - Quartz (14808-60-7) ES-TWA: 0.1 mg/m3 (Silica Quartz, respirable, NOHSC) ES-TWA#: 0.1 mg/m3 (QLD); 0.15 mg/m3 (NSW) NZ WES-TWA: 0.2 mg/m3

Personal Protective Equipment (PPE):

Respiratory protection:	At high dust levels, wear a Class P3 (Particulate) respirator or a Powered Air Purifying Respirator (PAPR) with Class P3 (Particulate) filter. Where an inhalation risk exists, wear a Class P1 (Particulate) Respirator.
Glove type (AS2161):	Impervious gloves e.g. butyl or nitrile rubber gauntlets (AS 2161)
Eye protection:	Chemical worker's goggles, well fitting safety glasses or full face shield.
Clothing:	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.
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

Appearance:	White to greyish granular powder
Odour:	Characteristic odour
pH:	Not applicable
Vapour pressure:	Not applicable
Solubility in water:	Insoluble
Bulk density:	1300 - 1400 kg/m^3 (at 23 ºC)
Melting point:	Not available
Flash point:	Not applicable
Boiling point:	Not applicable
Flammability limits:	Not applicable
Viscosity:	Not applicable

10. STABILITY AND REACTIVITY

Chemical stability:	Normally stable when stored in original sealed containers in cool dry conditions. Avoid extremes of temperature and direct sunlight.
Incompatible materials:	Keep away from oxidising agents, strong acids and strong alkalis in order to avoid exothermic reactions. Vinyl compounds (may initiate polymerisation of vinyl compounds).
Hazardous decomposition products:	When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.
Hazardous reactions:	Hazardous polymerisation will not occur.

11. TOXICOLOGICAL INFORMATION

Health Hazard Summary:	Overexposure to respirable dust may cause coughing, wheezing, difficulty in breathing and impaired pulmonary function. Chronic symptoms include decreased vital lung capacity and chest infections. Avoid eye contact or dust inhalation. This product has the potential to cause acute and chronic health effects with over exposure. Crystalline silica can cause silicosis a disabling form of pneumoconiosis (lung disease), which leads to fibrosis with chronic over exposure. Crystalline silica is classified as carcinogenic to humans (IARC Group 1).

Inhalation:	The dust is harmful and irritating to the upper respiratory tract and lungs. The material presents a hazard from repeated exposures over long period.
Eyes:	The dust and particles are abrasive and irritating to the eyes and may be capable of causing corneal scarring.
Skin contact:	May cause irritation through dermal abrasion.
Ingestion:	Swallowing may result in irritation to mouth and stomach through abrasion. [Oral, rat LD_{50} >2000 mg/kg]
Toxicity Data:	Silica, Crystalline - Quartz (14808-60-7) Carcinogenicity: Classified as a human carcinogen (IARC Group 1) Health Surveillance: Required [NOHSC:1005(1994)]

12. ECOLOGICAL INFORMATION

Ecotoxicity:	Do not discharge into drains, sewers or waterways. Degradability not determined.
Aquatic toxicity	Not available

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, 6.9A
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.