



The Chemical Company

## MATERIAL SAFETY DATA SHEET

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: **EMACO SET 45**  
Other name: None allocated  
Product code: 2020203011001\_, 2020203011003\_  
Recommended use: Chemical action concrete for fast, permanent concrete repairs.

Company: BASF Construction Chemicals Australia Pty Ltd.  
ABN: 46 000 450 288  
Address: 11 Stanton Road,  
Seven Hills, NSW, 2147, Australia  
Telephone number: +61 2 8811 4200  
Facsimile: +61 2 8811 3299

Company: BASF Construction Chemicals New Zealand Ltd.  
Address: 45 William Pickering Drive,  
Albany, Auckland,  
New Zealand  
Telephone number: +64 9 414 7233  
Facsimile: +64 9 414 7244

Emergency telephone number: 0417 658 263,

### 2. HAZARDS IDENTIFICATION

Hazard classification: Hazardous according to criteria of NOHSC  
Risk phrase(s): R 37 - Irritating to respiratory system.  
Safety phrase(s): S 51 - Use only in well-ventilated areas.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

#### INGREDIENTS

Chemical Name	CAS Number	Proportion
Quartz filler blend	14808-60-7	> 60%
Magnesium oxide	1309-48-4	< 10%
Mono ammonium phosphate	7722-76-1	< 10%
Fly ash	68131-74-8	< 10%
Non-hazardous ingredients		to 100%

### 4. FIRST AID MEASURES

Ingestion: Do NOT induce vomiting. Wash mouth with water and seek medical attention.  
Eyes: While holding eyes open, gently flood with plenty of fresh water for 15 minutes. If irritation persists or recurs seek medical attention. Skilled personnel should only undertake removal of contact lenses after an eye injury.

BASF Material Safety Data Sheet according to NOHSC: 2011 (2003)



The Chemical Company

## MATERIAL SAFETY DATA SHEET

Skin: Wash contacted area thoroughly with soap and plenty of water. Seek medical attention in event of irritation.  
Inhalation: Remove to fresh air. Lay patient down and rest. Seek medical attention in even of irritation.  
First aid facilities: Ensure availability of clean water for eye/skin wash.  
Advice to doctor: Treat symptomatically.

### 5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Water fog, Foam, CO<sub>2</sub> and Dry Chemical.  
Hazards from combustion products: Releases small quantities of ammonia on contact with water.  
Precautions and equipment for fire fighters: None  
Hazchem code: None allocated

### 6. ACCIDENTAL RELEASE MEASURES

Methods for clean up / collecting: Vacuum or Sweep up. Avoid generating dust.  
Environmental precautions: Do not discharge into sewers or waterways.

### 7. HANDLING AND STORAGE

#### Conditions for safe storage

Location: Store in a cool, dry area.  
Temperature conditions: 5 to 35°C  
Protection from weather: Store undercover and away from moisture.  
Storage incompatibilities: Strong mineral acids.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure standards: 0.1mg/m<sup>3</sup>  
Engineering controls: Use in a well ventilated area. Avoid generating and inhaling dusts.

#### Personal protective equipment

Respiratory protection: Class P1 or dust mask.  
Glove type (AS2161): Nitrile rubber or PVC gauntlets  
Eye protection: Chemical worker's goggles.  
Clothing: Overalls  
Other: Use barrier creams to protect skin from contact 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: Cement grey granular powder

BASF Material Safety Data Sheet according to NOHSC: 2011 (2003)



The Chemical Company

## MATERIAL SAFETY DATA SHEET

Boiling point (°C):	Not applicable
Melting point (°C):	Not available
Vapour pressure:	Not applicable
Specific gravity:	Not applicable.
Flash point (°C):	Not applicable
Flammability limits (%):	UEL – not applicable LEL – not applicable
Solubility in water:	Slightly soluble
pH:	Not applicable

### 10. STABILITY AND REACTIVITY

Hazard of use/storage:	Stable under normal storage and application temperature.
Materials to avoid:	Strong mineral acids, water.
Hazardous decomposition products:	Releases small quantities of ammonia on contact with water.

### 11. TOXICOLOGICAL INFORMATION

#### Acute

Ingestion:	Not likely source of entry due to physical nature of material
Eye:	Abrasive action may cause severe irritation and possible injury. In combination with water may cause severe irritation and possibly burns.
Skin:	Abrasive action may cause slight to moderate irritation. In combination with water, repeated or prolonged dermal exposure may cause moderate to severe alkali burns.
Inhalation:	Inhalation of nuisance dust can cause coughing and laboured breathing. In contact with water, ammonia may be released in sufficient quantity to cause irritation to mucous membranes and respiratory tract.

#### Chronic:

Materials are not known mutagenic, teratogenic or reproductive health hazards. 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. Chronic exposure may cause silicosis, a disabling form of pneumoconiosis, which leads to fibrosis.

### 12. ECOLOGICAL INFORMATION

Ecology:	Do not discharge into sewers or waterways.
----------	--------------------------------------------

### 13. DISPOSAL CONSIDERATIONS

#### Disposal Methods

State/Territory authority:	Observe all Federal, State and Local regulations
Dispose – Secure landfill:	Yes.
Dispose – High temp incinerator:	No.
Precautions for clean up crew:	Nitrile rubber gloves and dust mask.

BASF Material Safety Data Sheet according to NOHSC: 2011 (2003)



The Chemical Company

## MATERIAL SAFETY DATA SHEET

### 14. TRANSPORT INFORMATION

UN number:	None allocated
Dangerous goods class:	None allocated
Subsidiary risk:	None allocated
EPG card:	None allocated
Shipping name:	None allocated
Packing group:	None allocated
Poisons schedule:	None allocated
Hazchem code:	None allocated

### 15. REGULATORY INFORMATION

Risk phrase(s):	R 37	- Irritating to respiratory system.
Safety phrase(s):	S 51	- Use only in well-ventilated areas.

### 16. OTHER INFORMATION

Reason for Issue: Change of company name.

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.