

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name **PreFine 60 / 80**

Product Use Microfine Cement for Injection of Rock and Soil

Company Name EnGro Corporation Limited

Address 29 International Business Park
#08-05/06 Acer Building Tower B, Singapore

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2. HAZARDS IDENTIFICATION

Irritating to eyes and skin

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Nature: Blended cement from Portland cement and Ground Granulated Blast Furnace Slag (GGBS)

Ingredients	Name	CAS	Proportion
	Portland Cement	65997-15-1	30-50%
	GGBS	65996-69-2	50-70%
	Other Additives		0-2%

4. FIRST AID MEASURES

Eye Contact The product must be washed out of the eyes without any delay with clean running water whilst holding the eyelid open. Take care not to wash the product from one eye to the other. Use plenty of water for at least 10 minutes.

If symptoms persist obtain medical assistance without delay.

Skin Contact Prolonged contact may cause irritation or in severe cases cement burns, this is increased with splashes on clothes or overalls. These should be laundered before re-use.

ALL CHEMICAL PRODUCTS SHOULD BE HANDLED WITH CARE. Wash all splashes immediately from the skin with plenty of clean water and soap; if any other skin symptoms occur obtain medical assistance.

Ingestion DO NOT INDUCE VOMITING. Give one pint of water to drink and obtain medical attention without delay.

Inhalation After inhalation of dust. Keep patient calm, remove to fresh air. If difficulties occur: Obtain medical attention.

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5. FIRE FIGHTING MEASURES

Suitable extinguishing agents: Select to suit surrounding area
Additional information: Product is not combustible. Only the packaging will result to fire.

6. ACCIDENTAL RELEASE MEASURES

Personal precaution Avoid dust formation and avoid contact with skin and eyes. Use personal protective clothing. Ensure adequate ventilation
Environmental precautions Prevent large volumes from passing into the drain, watercourses or small pools of water
Measure for cleaning To prevent dust creation, cement should be vacuumed away. Cement that has been mixed with water sets and can be disposed as per normal under in accordance with federal, state and local regulations (FP N)

7. HANDLING AND STORAGE

Handling and Storage Precautions Keep in dry cool and well-ventilated area as water contact will initiate set. Avoid generation or accumulation of dusts. Use local exhaust extraction.
Work/Hygienic Practices Wash thoroughly after using product.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls General ventilation and/or local exhaust recommended.
Hygienic Measures EXPERTS ALWAYS WEAR THE RIGHT PROTECTIVE CLOTHING. Personal protective equipment must be inspected regularly and prior to each use. Replace if necessary
 Always wash hands before eating, drinking, smoking or using the toilet and after finishing work.
 Observe good housekeeping and general hygiene guidelines.
Eye/Face Protection safety goggles
Skin Protection Light gloves. Suitable work wear should be worn to protect personal clothing, e.g. cotton overalls buttoned at neck and wrist. Dusty clothing should be laundered before reuse. Use precautionary measures to avoid creating dust when removing or laundering clothes.
Respiratory Protection dust mask.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form powder
Colour Grey
Odour No odour
Boiling Point Not Applicable

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Flash Point	Non Flammable
Vapour Pressure (MM Hg/70 F)	Not Applicable
Vapour Density (Air=1)	Not Applicable
Specific Gravity	Approximately 2.90
pH	12-14
Evaporation Rate and Ref	Not Applicable
Solubility in Water	Slight soluble
Percent Volatile by Volume	0

10. STABILITY AND REACTIVITY

Thermal decomposition /	Product is stable and no decomposition may occur if stored and handled as prescribed/indicated.
Conditions to be avoided	See MSDS section 7 - Handling and storage

11. TOXICOLOGICAL INFORMATION

Eye Contact	Dry cement dust or the fumes from the mixture of cement and water can quickly cause serious eye damage Splashes into the eyes can cause corneal edema
Skin Contact	Prolonged contact may cause irritation or in severe cases cement burns
Ingestion	Can cause irritation in the mouth or the digestive system. Chronic bronchitis may result from long term exposure
Inhalation	Inhalation of cement dust can cause irritation to mucous membrane

12. ECOLOGICAL INFORMATION

The product has no known ecotoxicity effect

13. DISPOSAL CONSIDERATIONS

Product Disposal	Observe national and local legal requirements. Residues should be disposed of in the same manner as the substance/product.
Packaging Disposal	Dispose of contaminated packaging with care. Empty containers may contain hazardous residues. Completely emptied packaging can be given for recycling

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14. TRANSPORT INFORMATION

The product is not covered by the international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID) and therefore no classification is required.

15. REGULATORY INFORMATION

Hazard symbol(s)

Xi

Irritant

R-phrases(s)

R37/38

Irritating to respiratory system and skin

R41

Risk of serious damage to eyes

S-phrases(s)

S2

Keep out of the reach of children

S22

Do not breathe dust

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.

S37/39

Wear suitable gloves and eye/face protection.

16 OTHER INFORMATION

Other Information

These SDS summaries at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since EnGro Corporation Limited cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company. Our responsibility for product as sold is subject to our standard term and conditions, a copy of which is sent to our customers and is also available upon request.

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