

**SAFETY DATA SHEET**

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**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY**

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**Product Name**                    **RapidSet 150**

**Product Use**                    Rapid Setting 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

**Contact No.**                    Tel: +65 6561 7978; Fax: +65 6561 9770

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**2. HAZARDS IDENTIFICATION**

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**Category Classification(s):** SKIN CORROSION/IRRITATION - Category 1  
EYE DAMAGE - Category 1  
SKIN SENSITIZATION - Category 1  
CARCINOGENICITY/INHALATION - Category 1  
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)  
[Respiratory tract irritation] – Category 3

**GHS label elements**

**Hazard pictograms:**



**Signal word:** **Danger**

**Hazard statements:** Causes severe skin burns and eye damage.  
May cause an allergic skin reaction.  
May cause respiratory irritation.  
May cause cancer.

**Precautionary Statements:** Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Do not breathe dust.  
Wash clothing, face and hands thoroughly after handling.  
Contaminated work clothing must not be allowed out of the workplace.  
Wear eye protection, protective clothing and protective gloves.

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

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**Chemical Nature:** Blended cement from Portland cement and GGBS

<b>Ingredients</b>	<b>Name</b>	<b>CAS</b>	<b>Proportion</b>
	Portland Cement	65997-15-1	60-80%
	GGBS	65996-69-2	20-40%
	Other Additives		0-5%

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### 4. FIRST AID MEASURES

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**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

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**Suitable extinguishing agents:** Select to suit surrounding area

**Additional information:** Product is not combustible. Only the packaging will result to fire.

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### 6. ACCIDENTAL RELEASE MEASURES

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**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)

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### 7. HANDLING AND STORAGE

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**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.

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### 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

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<b>Engineering Controls</b>	General ventilation and/or local exhaust recommended.
<b>Hygienic Measures</b>	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.
<b>Eye/Face Protection</b>	safety goggles
<b>Skin Protection</b>	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.
<b>Respiratory Protection</b>	dust mask.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Form</b>	<b>powder</b>
<b>Colour</b>	<b>Grey</b>
<b>Odour</b>	<b>No odour</b>
<b>Boiling Point</b>	<b>Not Applicable</b>
<b>Flash Point</b>	<b>Non Flammable</b>
<b>Vapour Pressure (MM Hg/70 F)</b>	<b>Not Applicable</b>
<b>Vapour Density (Air=1)</b>	<b>Not Applicable</b>
<b>Specific Gravity</b>	<b>Approximately 3.0</b>
<b>pH</b>	<b>12-14</b>
<b>Evaporation Rate and Ref</b>	<b>Not Applicable</b>
<b>Solubility in Water</b>	<b>Slight soluble</b>
<b>Percent Volatile by Volume</b>	<b>0</b>

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### 10. STABILITY AND REACTIVITY

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

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### 11. TOXICOLOGICAL INFORMATION

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<b>Eye Contact</b>	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
<b>Skin Contact</b>	Prolonged contact may cause irritation or in severe cases cement burns
<b>Ingestion</b>	Can cause irritation in the mouth or the digestive system. Chronic bronchitis may result from long term exposure
<b>Inhalation</b>	Inhalation of cement dust can cause irritation to mucous membrane

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### 12. ECOLOGICAL INFORMATION

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The product has no known ecotoxicity effect

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### 13. DISPOSAL CONSIDERATIONS

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<b>Product Disposal</b>	Observe national and local legal requirements. Residues should be disposed of in the same manner as the substance/product.
<b>Packaging Disposal</b>	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

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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.

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### 15. REGULATORY INFORMATION

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**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.**

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### 16 OTHER INFORMATION

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**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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