

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF PRODUCT AND COMPANY

Product: MONOSET HPC
Company: Ronacrete (Far East) Ltd., 16/F, No. 3 Lockhart Rd,
Wanchai, Hong Kong SAR
Tel/Fax: +852 2865 5872 / +852 2865 5568

2. COMPOSITION/INFORMATION ON INGREDIENTS

The principle constituents are:-
Hydraulic powder combined with siliceous aggregate granite chips an accelerator and rheological additives.

CAS No: 65997-16-2
ECC No: 266-045-5

3. HAZARDS IDENTIFICATION

Classification: IRRITANT.

Human effects: Dry powder, has no effects on dry skin. When mixed with water, an alkaline solution is produced. A dust problem may occur in confined areas.

Environmental effects: No effects, MONOSET HPC is insoluble in water.

4. FIRST AID MEASURES

Skin Contact: Wash affected areas with plenty of clean water.

Eye Contact: Wash eyes immediately with plenty of clean water and if necessary, seek medical advice.

Inhalation: If irritation occurs move to fresh air. If nose or airways become inflamed, seek medical advice.

Ingestion: Do not induce vomiting. Wash out mouth with water and give patient plenty of water to drink.

5. FIRE FIGHTING MEASURES

MONOSET HPC is not flammable and does not support burning or dangerous synergistic reactions with other materials, provided that these substances themselves are stable.

6. ACCIDENTAL RELEASE MEASURES

On Spillage: Spilt material maybe collected for re-use, provided that no contamination has occurred.

Personal Precautions: See section 8.

Environmental Precautions: Do not empty material into drains, sewers/water courses as substance hardens when in contact with water.

7. HANDLING AND STORAGE

Storage: Store in dry conditions, preferably above ground on pallets protected by shrink wrapping. This will prevent moisture ingress and prolong shelf life.

Handling: Wear personal protective equipment and clothing to avoid contact with the skin and eyes.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupation Exposure Standards (OES), 8 hours.
Time Weighted Average (TWA).
Total Inhalable Dust: 10mg/m³.
Total Respirable Dust: 5mg/m³.

Personnel protection: Dust proof goggles should be worn whenever there is a risk of powder or wet mix entering the eyes.

Skin protection: Protective clothing should be worn, including waterproof gloves, trousers and wellington boots. Any wet material, contaminating clothing should be removed immediately and the skin washed thoroughly as well as the protective clothing/footwear.

Respiratory Protection: Suitable respiratory protection should be worn to ensure that personnel exposure is less than the OES, ie dust mask.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Dark grey granular material
Particle Size Distr:	0-4.0mm
pH Water Solution:	11.0-11.5
Bulk Density:	1100-1500kg/m ³
Flammability:	Not flammable
Explosive Properties:	Not explosive

10. STABILITY AND REACTIVITY

Conditions Contributing to:-

Chemical Instability:	None
Hazardous Decomposition Products:	None
Special Precautions:	None

11. TOXICOLOGICAL INFORMATION

This material has no known toxic or carcinogenic effects.

12. ECOLOGICAL INFORMATION

Stable in soil. No photodegradation with sunlight. When mixed with water, the increase in pH may be lethal to aquatic life.

13. DISPOSAL CONSIDERATIONS

Dispose of empty bags or material at an authorised disposal site.

14. Transport Information

Not classified as hazardous for transport purposes.

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15. REGULATORY INFORMATION

Chemical (Hazard Information and Packaging Regulations 1993).

Classification: Irritant.

Risk Phases: None.

Safety Phases: Wear suitable protective clothing, gloves and eye/face protection. In case of contact with eyes, rinse immediately with plenty of clean water, if necessary, seek medical advice.
After contact with skin, wash immediately with plenty of clean water.
Keep out of reach of children.

16. OTHER INFORMATION

Health and Safety at Work Act 1974.

HSE Occupational Exposure Criteria Document Summaries 1993 Edition (ISBN 0118821202).

Control of Substances Hazardous to Health (Regulations) 1988.

HSE Guidance Note EH26 (Occupational Skin Diseases - Health and Safety Precautions - HMSO 1981).

HSE Guidance Note EH40 (Occupational Exposure Limits).

MONOSET HPC contains chemical additives in such small concentrations they are not considered hazardous to health.
