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1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

pHlocrite™ SYNTHETIC SEMI-CALCINED DOLOMITIC LIMESTONE

2. COMPOSITION / INFORMATION ON INGREDIENTS

Inorganic solid comprised predominantly of calcium carbonate and magnesium oxide in varying proportions and a variety of grades distinguished by particle size and the ratios of the two main ingredients. This product is used for water treatment and a wide range of industrial, chemical and agricultural applications.

3. HAZARDS IDENTIFICATION

- Respirable dust inhaled over a prolonged period of time could constitute a health hazard.
- The Occupational Exposure Standard as recommended in HSE Guidance Note EH44 should not be exceeded.
- The manual handling of bagged products should comply with the Manual Handling Operations Regulations 1992

4. FIRST AID MEASURES

- **Eye Contact** - Irrigate thoroughly with copious amounts of water.
- **Inhalation** - Remove to fresh air, give water to drink.
- **Skin Contact** - Wash with water. Irritation may be caused by prolonged contact.
- **Ingestion** - Wash out mouth with water, give water to drink. In severe cases seek medical attention.

5. FIRE FIGHTING MEASURES

- **Special Risks** - Not applicable
- **Suitable Extinguishing Media** - Not applicable
- **Special Exposure Hazards In Fire** - Not applicable

6. ACCIDENTAL RELEASE MEASURES

In the event of spillage or leakage avoid breathing in the dust. Wear approved respirator (BS.2091) and goggles (BS.2092D). Carefully sweep or vacuum up and dispose of in accordance with local regulations. The material can be safely strewn on earth or placed in refuse pits provided that no strong acids are present. It can be used as a fertiliser or soil conditioner in place of slaked lime.

7. HANDLING AND STORAGE

Handling - The product should be handled to minimise the creation of airborne dust particles. Approved dust masks and goggles should be worn.

Storage - Bags should be palletised and kept dry. Bulk products should be stored in silos and kept dry. Dust collection systems should be used to minimise the creation of dust.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

As appropriate to the situation and the quantity handled. Utilise dust extraction if O.E.S. (10mg/m total dust, 4 mg/m respirable dust) is exceeded.

- **Respiratory Protection** - Dust masks, Airstream helmets to an approved standard
- **Hand Protection** - Gloves (Rubber or Plastic)
- **Skin Protection** - Barrier cream
- **Eye Protection** - Goggles to an approved standard

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance - Grey/white Angular Granules

Odour - Odourless

pH - Not Applicable

Melting Point - 2500°C

Boiling Point - Not Applicable

Flash Point - Not Applicable

Flammability - Not Applicable

Auto Flammability - Not Applicable

Explosive Properties - Not Applicable

Oxidising Properties - Not Applicable

Vapour Pressure - Not Applicable

Relative Density - 2.71

Solubility in Water - Insoluble

10. STABILITY AND REACTIVITY

- **Conditions to avoid** - None
- **Materials to avoid** - Halogen-halogen compounds, non metallic halides
- **Hazardous decomposition products** - Carbon dioxide evolved on contact with acids and upon heating above 500°C

11. TOXICOLOGICAL INFORMATION

Experience has shown no indication of any hazardous potential but even inert fine powders if inhaled over a long period could constitute a health hazard due to impairment of respiratory functions.

- **Ames Test Negative** - No evidence of mutagenic or teratogenic effects.

12. ECOLOGICAL INFORMATION

No environmental hazard is anticipated provided the material is handled and disposed of with due care and attention.

13. DISPOSAL CONSIDERATIONS

As an inert material it may be disposed of, with due care and attention, in an approved waste disposal or landfill site.

The material should be buried to avoid dust becoming airborne.

14. TRANSPORT INFORMATION

- **Special Carriage Precautions** - None

Material suitable for bulk tankers and sealed bags. Keep material dry and clean up spillages by industrial vacuum system.

15. REGULATORY INFORMATION

- **Supply label information** - Not classified

The following risk and safety phrases are recommended :-

R.Phrases - R.20 Harmful by inhalation

S.Phrases - S.22. Do not breathe dust

EINECS number - All ingredients of this product are listed in EINECS or ELINCS unless specifically exempted under the EEC Directive 57/548/EEC

16. OTHER INFORMATION

Training advice - Wear and use of PPE

Recommended uses and restrictions - Chemical, Agricultural, Water Treatment and Industrial applications.

Further information sources -

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Sources of key data used to compile Data Sheet - EH40, PPE Regulations 1992, EH44 'Dust in the Workplace' Manual Handling Operations Regulations 1992 Raw Material Suppliers' Safety Data Sheet

The information contained in this Safety Data Sheet is correct to the best of our knowledge but is given without warranty as to its accuracy, reliability or completeness. It is the responsibility of users to satisfy themselves with regard to the suitability and completeness of such information for their own particular use.