



# Tradical<sup>®</sup> Hemcrete<sup>®</sup>

## Safety Data Sheet

### 1. IDENTIFICATION OF THE SUBSTANCE AND COMPANY

**PRODUCT NAME:** Tradical Hemcrete  
**SUPPLIER:** Lime Technology Limited  
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### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Composes: Calcium Hydroxide  $\text{Ca}(\text{OH})_2$  and Hydraulic Binder. Lesser quantities of calcium carbonate, calcium silicates, silica and oxides of magnesium, aluminium and iron and other trace elements.

### 3. HAZARD IDENTIFICATION

Irritating to skin and eyes. Can cause burns in the presence of moisture. Risk of serious damage to eyes. It is advisable to ensure that eyewash facilities are available when Tradical<sup>®</sup> HB is handled. Gloves and goggles should be used.

### 4. FIRST AID MEASURES

**SKIN:** An irritant (Xi) may cause mild burning sensation in the presence of moisture. Wash affected area immediately with plenty of water. Remove and wash contaminated clothing.  
**EYES:** Speed is essential. Irrigate with eyewash or clean with water until free off debris, seek medical attention.  
**INHALATION:** Irrigate nose and throat with water for at least 20minutes. It is advisable to seek medical attention.  
**INGESTION:** Wash out mouth with water and give copious amounts of water to drink. Larger doses may irritate gastrointestinal tract. Do not induce vomiting. Seek medical advice if necessary.  
**FURTHER TREATMENT:** No known delayed effects. Prolonged or repeated contact with skin may result in severe irritation or dermatitis.

Prolonged or repeated inhalation of high dust concentrations may cause ulceration and perforation of the nasal septum and pneumonitis.

### 5. FIRE FIGHTING MEASURES

Tradical HB: Non-combustible and inhibits the spread of flame. No special fire fighting procedures or explosion hazard is identified.

Tradical HF: Flammable

### 6. ACCIDENTAL RELEASE MEASURES

Tradical HB: Steps to be taken in the event of spillage or release. Contain the spillage. Either keep the material dry and use vacuum suction unit or shovel into bags or damp down and shovel into bags. Cover area if possible to avoid unnecessary dust hazard. Avoid contamination of watercourses and drains, any spillages off site must be alerted to the Environmental Agency or other regulatory body.

### 7. HANDLING AND STORAGE

#### 7.1 Handling

Keep dust levels to a minimum. Avoid contact with skin and eyes. Avoid inhalation of high concentrations of dust. Use barrier cream if necessary.

#### 7.2 Storage

Store in a cool dry environment free from draughts. Minimise contact with air and moisture.

#### 7.3 Ventilation requirements

Ventilation equipment may be needed to ensure dust levels are below OES.

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## 8. EXPOSURE CONTROL AND PERSONAL PROTECTION

**8.1** Handling systems should preferably be enclosed or suitable ventilation installed to maintain atmospheric dust below OEL (occupational exposure limit). All ventilation systems should be filtered before discharge.

**8.2** If the atmospheric dust exceeds OEL wear suitable personal protective equipment. Use approved dust respirators to EN 149 category FFP2 or air stream helmet for heavy exposure.

**8.3** Wear suitable gloves, overalls and eye/face protection. Rubber, leather or fabric/composite gloves provide suitable hand protection. Long sleeved overalls are recommended, close fitting at openings. Wide vision full goggles with anti-mist for eye protection. Wear boots that resist dust penetration.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Tradical HB

Form –

Solid of varying sizes. Lump, granular or fine powder.

Colour –

Creamy, grey or coloured in dry form.

Odour –

Faint earthy odour.

pH –

1.5 - 13 (as aqueous solution approx. 2g/litre).

Solubility in water (NHL content only) – 1760mg/litre saturated solution at 100°C (reacts with water to form calcium hydroxide).

## 10. STABILITY AND REACTIVITY

**10.1** Stable.

**10.2** Hazardous decomposition products – none.

## 11. TOXICOLOGICAL INFORMATION

High concentrations of dust are an irritant to the respiratory tract. Gross inhalation may cause inflammation, ulceration, perforation of the nasal septum and pneumonitis. Prolonged repeated inhalation of high dust concentration may cause similar effects.

Irritant to the skin in the presence of moisture. May cause burns. Prolonged and repeated contact with skin may result in severe irritation or dermatitis.

Very painful irritant to the eyes – may cause burns. Risk of severe and permanent damage to eyes.

If swallowed, may cause corrosion damage to the gastrointestinal tract

The product is considered to be non-toxic.

## 12. ECOLOGICAL INFORMATION

Strongly soluble in water to form alkaline solution. Low mobility in moist ground conditions. Non bio-degradable, reacts with moisture to form calcium hydroxide, reacts with atmospheric and dissolved carbon dioxide to form calcium carbonate.

The product is considered to be non-toxic.

## 13. DISPOSAL CONSIDERATIONS

Disposal should be in accordance with local and national legislation. The materials are reusable and biodegradable.

## 14. TRANSPORTATION INFORMATION

Not classified as hazardous for transportation.

## 15. REGULATORY INFORMATION

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002.

Classification for supply: Irritant Classification for Conveyance: None

Risk phrases R36/38 – Irritating to eyes and skin R41 – Risk of serious damage to eyes R43

Contact with skin may cause mild burning sensation

Safety phrases S2 – Keep out of 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 – Wear suitable gloves S39 –

Wear eye/face protection

Low Chromate content according to TRGS 613.

## 16 OTHER INFORMATION

HSE Guidance Notes EH40: Occupational Exposure Limits (current edition) EH42: Monitoring Strategies for Toxic Substances

EH44: Dust in the Workplace: General principles of Protection.