

CHEMICAL SAFETY DATA SHEET**1. IDENTIFICATION OF THE SUBSTANCE AND COMPANY**

Product name: **TRUCAL** and **TRUCARB**
Other names: Limestone powders, Calcium Carbonate powders

Used in a variety of industrial and agricultural applications

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Calcium Carbonate CaCO₃ >98%
Small quantities of magnesia, silica and trace elements.

Hazardous Ingredient - none.

CAS No: 471-34-1
EINECS No: 207-439-9
UN No: None

3. HAZARD IDENTIFICATION

Not classified as hazardous.

4. FIRST AID MEASURES

Skin Contact – Wash with water

Eye Contact – Material is abrasive & may cause pain & irritation. Irrigate thoroughly with water.

Inhalation – Remove to fresh air & give water to drink.

Ingestion - Unlikely to cause any reactions. Give water to drink

Further medical treatment - Symptomatic, if necessary. No known delayed effects.

It is advisable to ensure that eyewash facilities are readily available where limestone powders may be handled.

5. FIRE FIGHTING MEASURES

Non combustible and inhibits the spread of flame. No special fire fighting procedure, extinguisher media or explosion hazard is identified.

6. ACCIDENTAL RELEASE MEASURES

Spillages. Contain spillage. Use vacuum suction unit, or shovel into bags (using appropriate protective clothing - see Section 8). Cover or enclose area if possible or use water sprays to avoid unnecessary dust.

7. HANDLING AND STORAGE

- 7.1. Handling. Avoid contact with skin and eyes. Avoid inhalation of high concentration of dust. In dusty environments use goggles and dust masks
- 7.2 Storage. Should be stored in a cool dry environment. Bulk storage should be in a purpose-built silo. Product in bags should be stored in dry building.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

- 8.1 Workplace Exposure Limit Standard:
10 mg/m³ (8 hr TWA)
4 mg/m³ (Respirable)

Wear suitable gloves, overalls and eye/face protection. Wear suitable respiratory protection equipment if exposure to atmospheric dust levels above the Workplace Exposure Standard is likely.

- 8.2 Handling systems should preferably be enclosed, or suitable ventilation installed to maintain atmospheric dust below WES.

Wear suitable respiratory protection equipment if exposure to atmospheric dust levels above the Workplace Exposure Standard is likely. Use approved dust respirators to EN149 category FFP2, or air-stream helmet for heavy exposure.

Rubber, leather or fabric/composite gloves provide suitable hand protection

Wide vision full goggles to BS2092 grade 1 impact, with anti-mist for eye protection

Long sleeved overalls, close fitting at openings. Boots that resist dust penetration.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	-	solid of varying sizes from grit to fine powder.
Colour	-	light grey to off-white
Odour	-	none
pH	-	9 - 10 (aqueous solution)
Solubility in water	-	Approx 100mg per litre at 20°C
Vapour pressure	-	0 at 20°C
Specific Gravity	-	2.7
Melting point:	-	Decomposes at approx 800°C to form Calcium Oxide (Quicklime)

10. STABILITY AND REACTIVITY

- 10.1 Stable
- 10.2 Conditions/Materials to avoid: Reacts with acids, generating Carbon Dioxide gas
- 10.3 Hazardous decomposition products: None.

11. TOXICOLOGICAL INFORMATION

Not considered toxic

12. ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity
The product is a naturally occurring mineral considered to be non toxic.
- 12.2 Mobility
Sparingly soluble in water. Low mobility in most ground conditions.
- 12.3 Persistence and degradation

Non bio-degradable and stable in most environments

12.4 Bioaccumulative Potential

The product has no potential to accumulate in the food chain.

13. DISPOSAL CONSIDERATIONS

Disposal should be in accordance with current local and national legislation.
Contaminated packaging can be incinerated.

14. TRANSPORT INFORMATION

Not classified as hazardous for transport.

IMDG (Sea) Not classified

ADR (Road) Not classified

RID (Rail) Not classified

IATA (Air) Not classified

15. REGULATORY INFORMATION

15.1 The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. Statutory Instrument 2002 No. 1689

Classification for conveyance: none.

Classification for supply: none.

15.2 Workplace Exposure Limit Standards - HSE Guidance Note EH40/2005. WES 10 mg/m³ (8 hr TWA)

15.3 Data Sheet prepared in accordance with Directive 2001/58/EC

16. OTHER INFORMATION

Date of Revisions - May 2006 (Tarmac No. 19 Issue 1)