

TARMAC BUXTON LIME & POWDERS

Tarmac Buxton Lime and Cement

PRODUCT SAFETY DATA SHEET

TRUCARB and TRUCAL

1. IDENTIFICATION OF THE SUBSTANCE AND COMPANY

1.1 Product name: Trucal Limestone granules & Trucarb Limestone powders
Other names Calcium Carbonate, CaCO₃

1.2 Used in a variety of industrial and chemical applications.

1.3 Tarmac Lime & Cement Ltd
Tunstead House
Wormhill
Buxton
SK17 8TG

1.4 Tel 00 44 (0)1298 768444

1.5 In an emergency: Dial 999

1.6 For specialist advice (transport emergency) 00 44 (0)1298 27500

2. COMPOSITION/INFORMATION ON INGREDIENTS

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

2.2 Hazardous Ingredient - none.

2.3 CAS No: 471-34-1

EINECS No: 207-439-9

UN No: None

3. HAZARD IDENTIFICATION

3.1 Not classified as hazardous.

4. FIRST AID MEASURES

4.1 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.

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

5. FIRE FIGHTING MEASURES

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

6. ACCIDENTAL RELEASE MEASURES

6.1 Spillages.

Contain spillage. Use vacuum suction unit if possible 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

9.1	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 (CO₂) gas

10.3 **Hazardous decomposition products**

None

11. **TOXICOLOGICAL INFORMATION**

11.1 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**

13.1 Disposal should be in accordance with current local and national legislation.

14. **TRANSPORT INFORMATION**

14.1 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 REACH (regulations 1907/2006 EC & 987/2008 EC)

The material is exempt from registration in accordance with Annexe V of the REACH regulations.

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

Classification for conveyance: none

Classification for supply: none

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

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