

PRODUCT SAFETY DATA SHEET

TRUCAL

This Safety Data Sheet was prepared in accordance with EC Regulation (EC) 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830.

1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1: PRODUCT IDENTIFIER: TRUCAL LIMESTONE POWDERS

Synonym(s): calcium carbonate
Chemical Name and
Chemical Formula: CaCO₃
Trade Name: Trucal Limestone powders
CAS No.: 471-34-1
EINECS No.: 207-439-9

1.2: RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Identified Use(s): Used in a variety of industrial and chemical applications
Uses advised against: None anticipated

1.3: DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Company Identification: Ballidon Calcium Carbonates
Company Address: Tunstead House
Buxton, Derbyshire
SK17 8TG (United Kingdom)
Telephone: +44 (0)1298 768555
E-Mail
(competent person): buxton.enquiry@tarmac.com

1.4: EMERGENCY TELEPHONE NUMBER

United Kingdom/Europe
Emergency telephone number: 999/112
BL&C Transport
Emergency telephone number: +44 (0)1298 27500
Refer to Hospital Accident and Emergency Department

2: HAZARDS IDENTIFICATION

2.1: CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

2.1.1: According to Regulation (EC) No. 1272/2008 (CLP)

Not classified as hazardous for supply/use.

2.2: LABEL ELEMENTS

2.2.1: According to Regulation (EC) No. 1272/2008 (CLP)

Signal Word(s): None assigned.
Hazard Pictogram(s): None assigned.
Hazard Statement(s): None assigned.
Precautionary Statement(s): None assigned.

2.3: OTHER HAZARDS

None of the substances in this product fulfil the criteria for being regarded as a PBT or vPvB substance.

3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1: SUBSTANCE IDENTITY:

Chemical name: calcium carbonate CaCO₃ >98%
CAS No.: 471-34-1
EINECS No.: 207-439-9

Hazard impurities: None known.
Small quantities of magnesia, silica and trace elements.

4: FIRST AID MEASURES

4.1: DESCRIPTION OF FIRST AID MEASURES

Self-protection of the first aider:

Use personal protective equipment as required. Ensure adequate ventilation.

Avoid breathing dust. Avoid contact with skin and eyes.

Eye Contact:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation develops and persists, get medical attention.



Inhalation:

IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

Ingestion:

Rinse mouth. Get medical advice/attention if you feel unwell.

Skin Contact:

IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention.



4.2: MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

None anticipated.

4.3: INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Treat symptomatically.

5: FIRE-FIGHTING MEASURES

5.1.1: EXTINGUISHING MEDIA

As appropriate for surrounding fire.

5.1.2: UNSUITABLE EXTINGUISHING MEDIA

None known.

5.2: SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Not flammable

5.3: ADVICE FOR FIRE-FIGHTERS

Fight fire with normal precautions from a reasonable distance. A self contained breathing apparatus should be worn. Avoid contact with skin and eyes. Do not allow run-off from fire fighting to enter drains or water courses.

6: ACCIDENTAL RELEASE MEASURES

6.1: PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Avoid dust generation. Do not breathe dust. Avoid contact with skin and eyes. Ensure adequate ventilation.

6.1.1: FOR NON-EMERGENCY PERSONNEL

Ensure adequate ventilation. Avoid contact with skin and eyes. Use personal protective equipment as required. See Section: 8.

6.2: ENVIRONMENTAL PRECAUTIONS

Avoid release to the environment.

6.3: METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Sweep up spilled substance but avoid breathing dust. Flush spill area with copious amounts of water.

6.4: REFERENCE TO OTHER SECTIONS

See Section: 8, 13

7: HANDLING AND STORAGE

7.1: PRECAUTIONS FOR SAFE HANDLING

7.1.1: Protective Measures

Ensure adequate ventilation. Avoid breathing dust. Avoid build up of dust. Avoid contact with skin and eyes. Wear protective gloves/eye protection.

7.1.2: Hygiene Measures

Assumes a good basic standard of occupational hygiene is implemented. Do not eat, drink or smoke when using this product. Wash hands before breaks and after work.

7.2: CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Store in a dry place. Bulk storage should be in a purpose-built silo. Keep container tightly closed. Keep only in the original container. Keep away from acid.

7.3: SPECIFIC END USE(S)

See above - Section 1.2

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1: CONTROL PARAMETERS

Occupational Exposure Limits

OEL (United Kingdom)

(8hr TWA): 10 mg/m³ (Inhalable Aerosol)

4 mg/m³ (Respirable Aerosol)

WEL: Workplace Exposure Limit (UK HSE EH40)

8.2: EXPOSURE CONTROLS

8.2.1: Appropriate engineering controls

Ensure adequate ventilation. Store in a dry place. Keep only in the original container. Keep good industrial hygiene. Avoid contact with skin and eyes. Do not eat, drink or smoke at the work place.

8.2.2: Individual protection measures, such as personal protective equipment (PPE)



8.2.2.1: Eye/face protection:

Use eye protection according to EN 166, designed to protect against dusts.



8.2.2.2: Skin protection:

Wear suitable chemical resistant protective gloves for frequent or prolonged operations tested to EN374 with an acceptable permeation test. Contaminated gloves should be carefully rinsed with water before reuse.



8.2.2.3: Respiratory protection:

Respiratory protection is not necessary if room is well ventilated. In case of inadequate ventilation wear respiratory protection.

8.2.2.4: Thermal hazards:

No specific measures identified.

8.2.3: Environmental Exposure Controls

Avoid release to the environment.

9: PHYSICAL AND CHEMICAL PROPERTIES

9.1: INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Solid of varying sizes from grit to fine powder, Light Grey to Off-white
Odour:	Odourless
Odour Threshold:	Not applicable
pH:	9-10 (aqueous solution)

Melting Point/ Freezing Point:	Decomposes below melting point at (°C): approx. 800°C
Initial boiling point and boiling range:	Not applicable
Flash point:	Not applicable
Evaporation Rate:	Not applicable
Flammability (solid, gas):	Non-flammable
Upper/lower flammability or explosive limits:	Not applicable

Vapour pressure:	0 at 20°C
Vapour density:	Not determined
Relative density:	2.7
Solubility(ies):	Approx. 100 mg/l at 20°C (in water)
Partition coefficient: n-octanol/water:	Not determined
Auto-ignition temperature:	Not applicable

Decomposition Temperature:	Decomposes at approx. 800°C to form Calcium Oxide (Quicklime)
Viscosity:	Not applicable
Explosive properties:	Not explosive
Oxidising properties:	Not oxidising

9.2: OTHER INFORMATION

None known

10: STABILITY AND REACTIVITY

10.1: REACTIVITY

May react violently with: Acids

10.2: CHEMICAL STABILITY

Decomposes above (°C): 800

10.3: POSSIBILITY OF HAZARDOUS REACTIONS

Stable under normal conditions.

10.4: CONDITIONS TO AVOID

Heating may cause decomposition.

10.5: INCOMPATIBLE MATERIALS

Keep away from acid.

10.6: HAZARDOUS DECOMPOSITION PRODUCT(S)

None known.

11: TOXICOLOGICAL INFORMATION

11.1: INFORMATION ON TOXICOLOGICAL EFFECTS

Acute toxicity - Ingestion	Based upon the available data, the classification criteria are not met. LD50 (oral, rat) mg/kg: > 2000 mg/kg bw/day (OECD 420)
Acute toxicity - Skin Contact	Based upon the available data, the classification criteria are not met. LD50 (skin, rat) mg/kg: > 2000 (OECD 402)
Acute toxicity - Inhalation	Based upon the available data, the classification criteria are not met. LC50 (inhalation, rat) mg/l/4h: > 3 (OECD 403)
Skin corrosion/irritation	Based upon the available data, the classification criteria are not met. Irritating to skin (rabbit) - Negative (OECD 404)
Serious eye damage/irritation	Based upon the available data, the classification criteria are not met. Irritating to eyes (rabbit) - Negative (OECD 405)
Respiratory sensitization	Based upon the available data, the classification criteria are not met. Weight of evidence approach
Skin sensitization:	Based upon the available data, the classification criteria are not met. Sensitisation (mouse) - Negative (OECD 429)
Germ cell mutagenicity	Based upon the available data, the classification criteria are not met. In vitro: Bacteria - Negative (OECD 471)
Carcinogenicity	Based upon the available data, the classification criteria are not met. Weight of evidence approach
Reproductive toxicity	Based upon the available data, the classification criteria are not met. NOAEL: 1000 mg/kg bw/day (rat) (OECD 222)
STOT - single exposure	Based upon the available data, the classification criteria are not met. Weight of evidence approach
STOT - repeated exposure	Based upon the available data, the classification criteria are not met. Weight of evidence approach
Aspiration hazard	Based upon the available data, the classification criteria are not met. Weight of evidence approach

12: ECOLOGICAL INFORMATION

12.1: TOXICITY

12.1.1: Acute/Chronic Toxicity (Fish):

Non-toxic to aquatic life.

12.1.2: Acute/Chronic Toxicity (Aquatic invertebrates):

Non-toxic to aquatic life.

12.1.3: Acute/Chronic Toxicity (Aquatic plants):

EC10 (72 hour) for freshwater *Desmodismus subspicatus*:
>14 mg/l (OECD 201)

12.1.4: Toxicity to microorganisms e.g. bacteria:

NOEC (3 hours) for activated sludge:

1000 mg/L (OECD 209)

12.1.5: Chronic toxicity to aquatic organisms:

Non-toxic to aquatic life.

12.1.6: Toxicity to soil dwelling organisms:

LC50 for soil macroorganisms (*Eisenia foetida*): > 1000
mg/kg (OECD 207)

NOEC for soil microorganisms (28d): 1000 mg/kg (OECD
216)

12.1.7: Toxicity to terrestrial plants:

NOEC (21 days) for terrestrial plants: 1000 mg/kg dw soil
(OECD 208)

12.2: PERSISTENCE AND DEGRADABILITY

Not applicable for inorganic substances

12.3: BIOACCUMULATIVE POTENTIAL

Not applicable for inorganic substances

12.4: MOBILITY IN SOIL

The product has low mobility in soil.

12.5: RESULTS OF PBT AND VPVB ASSESSMENT

Not applicable for inorganic substances

12.6: OTHER ADVERSE EFFECTS

None known

13: DISPOSAL CONSIDERATIONS

13.1: WASTE TREATMENT METHODS:

Disposal should be in accordance with local, state or
national legislation.

14: TRANSPORT INFORMATION

14.1: UN NUMBER

Not applicable

14.2: UN PROPER SHIPPING NAME:

Not applicable

14.3: TRANSPORT HAZARD CLASS(ES):

Not applicable

14.4: PACKING GROUP:

Not applicable

14.5: ENVIRONMENTAL HAZARDS:

Not classified

14.6: SPECIAL PRECAUTIONS FOR USER:

See Section: 2

14.7: TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 AND THE IBC CODE:

Not applicable

15: REGULATORY INFORMATION

15.1: SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

Authorisations: None

Restrictions on use: None

Other EU Regulations: None

National regulations: None

15.2: CHEMICAL SAFETY ASSESSMENT

Not applicable

16: OTHER INFORMATION

16.1: REFERENCES:

Existing Safety Data Sheet (SDS)

Existing ECHA registration for Calcium carbonate (CAS No. 471-34-1)

16.2: LEGEND

Abbreviations

EC50: Median effective concentration

LC50: Median lethal concentration

LD50: Oral Median Lethal Dose / Dermal Median Lethal Dose

NOEC: No Observed Effect Concentration

OEL: Occupational Exposure Limits

PBT: Persistent, Bioaccumulative and Toxic

PNEC: Predicted No Effect Concentration

SCOEL: The EU Scientific Committee on Occupational Exposure Limits

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

vPvB: very Persistent and very Bioaccumulative

16.3: REVISION

This Safety Data Sheet was prepared in accordance with EC Regulation (EC) No. 1907/2006.

DISCLAIMERS

This safety data sheet (SDS) is based on the legal provisions of the REACH Regulation (EC 1907/2006; article 31 and Annex II), as amended. Its contents are intended as a guide to the appropriate precautionary handling of the material. It is the responsibility of recipients of this SDS to ensure that the information contained therein is properly read and understood by all people who may use, handle, dispose or in any

way come in contact with the product. Information and instructions provided in this SDS are based on the current state of scientific and technical knowledge at the date of issue indicated. It should not be construed as any guarantee of technical performance, suitability for particular applications, and does not establish a legally valid contractual relationship. This version of the SDS supersedes all previous versions.

ANNEX TO THE EXTENDED SAFETY DATA SHEET (ESDS): EXPOSURE SCENARIO

Not applicable