

SAFETY DATA SHEET

Lime Powder (Trucarb UF)

1 IDENTIFICATION OF SUBSTANCE

- 1.1 Product Identifier:
Trade name: Trucarb UF
- 1.2 Relevant Identified uses of the substance and uses advised against:
- 1.2.1 Identified uses:
Filler for rubber compounding.
- 1.2.2 Uses advised against:
Not available
- 1.3 Details of the Supplier of the material safety data sheet:

Heritage Abrasives Ltd
194 Windsor Street
Nechells
Birmingham
B7 4NE
0121 359 2161

2 HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture:
- 2.1.1 Classification:
This product does not meet the criteria for classification as hazardous as defined in the Regulation EC 1272/2008 and in Directive 67/548/EEC. This product should be handled with care to avoid dust generation.
- 2.1.2 The most important adverse effects:
- 2.1.2.1 The most important adverse physicochemical effects:
Not applicable.
- 2.1.2.2 The most important adverse human health effects:
Not applicable.
- 2.1.2.3 The most important adverse environmental effects:
Not applicable.
- 2.2 Label Elements:
- Hazard Pictograms:
Not applicable.
- Signal Word(s):
Not applicable.
- Hazard Statement:
Not applicable.
- Precautionary statement:
Not applicable.
- 2.3 Other hazards
This product is an inorganic substance and does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH.

3 COMPOSITION / INFORMATION ON INGREDIENTS

- 3.1 Substance/Mixture:
The product in question is a substance.
- 3.2 Ingredients:

Substance Name	% by weight	CAS#	EINECS No.	Classification EU (67/548/EEC)
Calcium Carbonate	>98%	471-34-1	207-439-9	No classification
Magnesia	Trace Elements	-----	-----	No classification
Silica	Trace Elements	-----	-----	No classification

This product does not contain any classified impurity.

4 FIRST-AID MEASURES

- 4.1 Description of first aid measures:
- 4.1.1 In case of inhalation:
Remove to fresh air & give water to drink.
- 4.1.2 In case of skin contact:
Wash with water.
- 4.1.3 In case of eyes contact:
Material is abrasive & may cause pain & irritation. Irrigate thoroughly with water. It is advisable to ensure that eyewash facilities are readily available where limestone powders may be handled.
- 4.1.4 In case of ingestion:
Unlikely to cause any reactions. Give water to drink.
- 4.2 Most important symptoms and effect, both acute and delayed:
Not applicable.
- 4.3 Indication of any immediate medical attention and special treatment needed:
No specific actions are required.

5 FIRE-FIGHTING MEASURES

- Extinguishing Media:
- 5.1.1 Suitable extinguishing media:
Non-combustible and inhibits the spread of flame. No special fire fighting procedure, extinguisher media or explosion hazard is identified.
- 5.1.2 Unsuitable extinguishing media:
Not applicable.
- 5.2 Specific Hazards arising from the substance or mixture:
The product is not flammable, combustible or explosive. No hazardous thermal decomposition.
- 5.3 Advice for fire-fighters:
No specific fire-fighting protection is required. Use an extinguishing agent suitable for the surrounding fire.

6 ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures:
Avoid airborne dust generation. If the generation of dust is likely, personal protective equipment should be worn in compliance with national legislation.
- 6.2 Environmental precautions:
No special requirements.
Contain spillage and clean up as indicated below.
- 6.3 Methods of containment and cleaning up:
Dry product should be cleaned with a shovel or vacuum cleaner while wearing personal protective equipment in compliance with national legislation. Cover or enclose area if possible or use water sprays to avoid unnecessary dust.
- 6.4 Reference to other sections:
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

7 HANDLING AND STORAGE

- 7.1 Precautions for safe handling:
Avoid contact with skin and eyes. Avoid inhalation of high concentration of dust. In dusty environments use goggles and dust masks
- 7.2 Conditions for safe storage, including any incompatibilities:
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.

- 7.3 Specific end use(s):
If you require advice on specific uses, please contact your supplier or check the Good Practice Guide referred to in section 16.

8 EXPOSURE CONTROL / PERSONAL PROTECTION

- 8.1 Control parameters:
Workplace Exposure Limit Standard:
10 mg/m³ (8 hr TWA)
4 mg/m³ (Respirable)
- 8.2 Exposure controls:
- 8.2.1 Appropriate engineering controls:
Handling systems should preferably be enclosed, or suitable ventilation installed to maintain atmospheric dust below WES.
- 8.2.2 Individual protection measures:
Eye/face protection:
Wide vision full goggles to BS2092 grade 1 impact, with anti-mist for eye protection.
Hand protection:
Rubber, leather or fabric/composite gloves provide suitable hand protection.
Body protection:
Long sleeved overalls, close fitting at openings. Boots that resist dust penetration.
Respiratory protection:
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.
- 8.2.3 Environmental exposure controls:
Avoid wind dispersal.

9 PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Information on basic physical and chemical properties:
- | | | |
|--|----------|---|
| Physical state: | | Ultra fine particulate solid. |
| Colour: | | White, off white to light grey powder |
| Odour: | | Odourless |
| pH: | | 9-10 (aqueous solution) |
| Melting point/range (°C): | | > 800 to form Calcium Oxide (Quicklime) |
| Boiling point/range (°C): | | to be completed |
| Flash point (°C): | | to be completed |
| Evaporation rate: | | to be completed |
| Flammability (solid,gas): | | Non flammable |
| Upper/lower flammability/explosive limits: | | Not explosive. Limits do not apply |
| Vapour pressure: | @ 20°C | 0 |
| Vapour density: | | to be completed |
| Relative Density (g cm ⁻³): | @ 25°C | to be completed |
| Specific Gravity | | 2.7 |
| Solubility: | in water | Approx. 100mg per litre at 20°C |
| Auto-ignition temperature (°C): | | to be completed |
| Decomposition temperature (°C): | | > 1000 °C |
| Viscosity (mm ² s ⁻¹ , cSt): | @ 25°C | Not applicable. |
- 9.2 Other information:
No other information.

10 STABILITY AND REACTIVITY

- 10.1 Reactivity:
Inert, not reactive.
- 10.2 Chemical stability:
Chemically stable.

- 10.3 Possibility of hazardous reactions:
No hazardous reactions.
- 10.4 Conditions to avoid:
Reacts with acids, generating carbon dioxide gas.
- 10.5 Incompatible materials:
None known.
- 10.6 Hazardous decomposition products:
Not relevant.

11 TOXICOLOGICAL INFORMATION

- 11.1 Information on toxicological effects:
Not considered toxic.

Acute toxicity:
Based on available data, the classification criteria are not met.

Skin corrosion/irritation:
Based on available data, the classification criteria are not met.

Serious eye damage/irritation:
Based on available data, the classification criteria are not met.

Respiratory or skin sensitization:
Based on available data, the classification criteria are not met.

Germ cell mutagenicity:
Based on available data, the classification criteria are not met.

Carcinogenicity:
Based on available data, the classification criteria are not met.

Reproductive toxicity:
No data are available on this product.

STOT- single exposure:
Based on available data, the classification criteria are not met.

STOT- repeated exposure:
Based on available data, the classification criteria are not met.

Aspiration hazard:
Based on available data, the classification criteria are not met.

12 ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity:
The product is a naturally occurring mineral considered to be non-toxic.
- 12.2 Persistence and degradability:
Non bio-degradable and stable in most environments.
- 12.3 Bioaccumulative potential:
This product has no potential to accumulate in the food chain.
- 12.4 Mobility in soil:
Negligible.
- 12.5 Results of PBT and vPvB assessment
Not relevant.

12.5 Other adverse effects:
No specific adverse effects known.

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:
Where possible, recycling is preferable to disposal. Can be disposed of in compliance with local regulations.

13.2 Product/ Packaging disposal:
Dust formation from residues in packaging should be avoided and suitable worker protection assured.
Store used packaging in enclosed receptacles.
Contaminated packaging can be incinerated.

14 TRANSPORT INFORMATION

14.1 UN-no:
Not relevant.

14.2 Transport hazard class(es)

14.2.1 RID/ADR:
Not classified.

14.2.2 IMO:
Not classified.

14.2.3 IATA/ICAO:
Not classified.

15 REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:
The Chemicals (Hazard Information and Packaging for supply) Regulations 2002. Statutory Instrument 2002 No. 1689
Classification for conveyance: none.
Classification for supply: none.

Work place Exposure Limit Standards – HSE Guidance Note EH40/2005. WES 10mg/m³ (8 hr TWA)

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

15.2 Chemical safety assessment:
Chemical safety assessments for this substance not carried out.

16 OTHER INFORMATION

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For any further information please contact Heritage Abrasives Ltd