

WOLVERHAMPTON BRASIVES LTD

HEALTH AND SAFETY DATA SHEET

Material Safety Data Sheet according to 93/112/EC

Product Name: **Calcium Carbonate**
Grades: **Coarse, Medium, and Fine grades**

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1. Chemical Product and Company Identification

Product Name: **Calcium Carbonate**
Supplier: **Wolverhampton Abrasives Ltd**
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Handsworth, Sheffield
South Yorkshire ENGLAND
Phone Number: +44(0)1142 540742
Fax Number : +44(0)1142 540913

In case of emergency call: **Wolverhampton Abrasives Ltd**
Phone Number: +44(0)1142 540742

Contact: **Richard Paddison**

2. Composition / Information on Ingredients

<i>Chemical composition:</i>	%
<i>Calcium (CaO)</i>	55.70
<i>Silica (SiO₂)</i>	0.3
<i>Aluminium (Al₂O₃)</i>	0.06
<i>Iron (Fe₂O₃)</i>	0.03
<i>Magnesium (MgO)</i>	0.18
<i>Loss on ignition at @ 1000 degrees C</i>	43.50
<i>Moisture (H₂O)</i>	0.05
<i>Calcium Carbonate (CaCO₃)</i>	99.00
<i>Free Silica</i>	< 1.0

Calcium Carbonate, naturally formed rock comprising of calcium or magnesium carbonate.

3. Potential Health Hazards:

Eyes and throat can become irritated when exposed to too high concentrations. May cause skin irritation.
There is no significant immediate health, physical or environmental hazards.

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4. First Aid Measures

<i>Inhalation:</i>	Remove to fresh air, give water to drink.
<i>Skin:</i>	Wash with water.
<i>Eye:</i>	Immediately wash with plenty of water. If irritation persists, consult physician.
<i>Ingestion:</i>	Give water to drink, wash mouth out if appropriate.
<i>Advice to physician:</i>	No specific advice. Treat according to symptoms present.

5. Fire Fighting Measures

Not applicable

6. Accidental Release Measures

<i>Personal protection:</i>	Wear recommended personal protective equipment.
<i>Procedure for cleaning and recollection:</i>	Vacuum system. Collection in dosed container, e.g. mini bulk bag or drum.

7. Handling and storage

<i>Handling:</i>	Avoid breathing dust. Avoid spillage which can cause slippery floors. Use good personal hygiene and housekeeping.
<i>Storage recommendations:</i>	Keep material in dry warehouse.
<i>Storage class:</i>	Not applicable.

8. Exposure controls / Personal protection

<i>Engineering controls:</i> handling	Use adequate ventilation if dusty conditions prevail when the product. For storage and ordinary handling, general ventilation is adequate.
<i>Exposure guidelines, Dust:</i>	Total dust < 10 mg/m ³ 8 hour TWA Respirable dust < 4 mg/m ³ 8 hour TWA
<i>Respiratory protection:</i>	Blasting operators should use a CE marked or HSE approved shotblasting helmet. Ancillary workers should use a P2 dust respirator.
<i>Skin protection:</i>	Protective garments.
<i>Eye protection:</i>	Blasting helmet as above or goggles.

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9. Physical and Chemical Properties

Appearance:

Physical state: Solid, angular granules
Colour: White – off white
Odour: None

Safety relevant data:

Melting point: Carbon dioxide is evolved at temperatures above 400 C
Lower explosion limit: Not applicable.
Upper explosion limit: Not applicable
Specific gravity: 2.7-2.9 kg/dm₃
Bulk density: 1350 kg/dm₃
Hardness: 4-5 Mohs
Solubility in water: Low solubility.

10. Stability and Reactivity

Stable under normal conditions.

11. Toxicological Information

Immediate (acute) effects: Not applicable.

Delayed (subchronic and chronic) effects: Not applicable.

Other data: Dust in concentration above the max. recommended concentrations might cause irritation of eyes and throat, and if inhaled over a prolonged period of time, constitute a health hazard

12. Ecological Information

Not hazardous.

13. Disposal Considerations.

Discard as non-hazardous inert solid waste according to applicable local regulations. The material should be buried to avoid dust becoming airborne. Special disposal procedures may apply to spent abrasive which may contain other materials derived from the substrate being cleaned.

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14. Transport Information

Land Transport:

<i>ADR</i>	Not regulated
<i>GGVS</i>	Not regulated
<i>RID</i>	Not regulated
<i>GGVE</i>	Not regulated

Identification of the product:

Danger number **UN nr:**

River / Canal-transport:
ADNR **Not regulated**

Sea-Transport:
IMDG/GGVSea-code **Not regulated**
EmS MFAG

Air-transport:
ICAO/IATA-DGR **Not regulated**

Other Information: **May be sent by mail.**

15. Regulatory Information

Danger symbols: **not applicable**

National regulations: **not applicable**

16. Other Information

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