

# SAFETY DATA SHEET



## SBG25KG BLASTING SODA 25KG BAG

### 1. SUPPLIER

Sealey Quality Machinery,

Kempson Way,  
Suffolk Business Park,  
Bury St. Edmunds,  
Suffolk,  
IP32 7AR

Telephone: 01284 757500

Fax: 01284 703534

e-mail: sales@sealey.co.uk

### 2. APPLICATION

Abrasive Blasting

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

SODIUM BICARBONATE

CAS No.  
EINECS No.

144-55-8  
205-633-8

### 4. HAZARD IDENTIFICATION

A substance of low toxicity widely used in food and medicine.  
Treat as low toxicity dust No significant health or environmental hazards associated with the material.

### 5. FIRST AID MEASURES

- Inhalation: • Remove to fresh air.
- Skin contact: • Wash skin with plenty of water.  
• If irritation occurs and persists seek medical advice.
- Eye Contact: • Irrigate eye thoroughly with eye wash solution or clean water for at least 10 minutes.  
• Eyelids should be held away from the eyeball to ensure thorough rinsing.  
• Obtain medical attention if necessary.
- Ingestion: • **DO NOT** induce vomiting.  
• Wash out mouth with water and give plenty of water to drink (at least 300 ml).  
• Obtain medical advice if necessary.

### 6. FIRE FIGHTING MEASURES

- Flash Point: • Non-combustible.
- Extinguishing Media: • All extinguishing products are allowed.
- Special Hazards: • Non-combustible.
- Hazardous Decomposition Products: (under fire conditions) • Not applicable.

### 7. ACCIDENTAL RELEASE MEASURES

- Personal Precautions: • See personal protection measures given in Section 9.
- Environmental Precautions: • Prevent discharges into the environment (rivers, water courses, sewers etc.)  
• See Section 14 for disposal details.
- Methods for clean up: • Clear up spillages by suitable means, avoiding dust formation.  
• Collect as much as possible in a suitable clean container, preferably for re-use, otherwise for disposal.  
• Wash the spillage area with large quantities of water.

### 8. STORAGE AND HANDLING

- Handling: • Atmospheric levels should be controlled in compliance with the occupational exposure limit.  
• Skin protection should be worn for regular and continuous use.
- Storage: • Store in a cool dry place (in humid conditions the product will absorb moisture from the atmosphere and this will eventually cause caking and loss of free flowing properties).  
• Do not store adjacent to acids.
- Fire and Explosion Prevention: • Non-combustible.

### 9. EXPOSURE CONTROLS/ PERSONAL PROTECTION



- Engineering Controls: • Provide adequate ventilation.  
• In the case of insufficient ventilation, wear suitable respiratory equipment.
- Occupational Exposure Standards: • Not listed by H&SE (Guidance Note EH40) or ACGIH (Ref. UK EH40 – Limits for Nuisance Dust).  
Recommended Limits: OES 10mg/m<sup>3</sup> (total dust) (8hr TWA) 5mg/m<sup>3</sup> (respirable dust) (8hr TWA).
- Respiratory Protection: • Wear suitable respiratory protective equipment, ie. dust mask or respirator.
- Hand Protection: • Wear suitable chemical resistant protective gloves for frequent or prolonged operations.
- Eye Protection: • Wear suitable eye/face protection.
- Skin and Body Protection: • Protective clothing is required, overalls as a minimum.

### 10. PHYSICAL AND CHEMICAL PROPERTIES

- |                       |                     |   |                         |
|-----------------------|---------------------|---|-------------------------|
| Appearance:           | Crystalline powder. | <b>Oxidising Properties:</b>                    | None known.             |
| Colour:               | White.              | <b>Vapour Pressure:</b>                         | Not applicable.         |
| Odour:                | Odourless.          | <b>Specific Gravity:</b>                        | 2.22.                   |
| Melting Point:        | Decomposes.         | <b>Bulk Density:</b>                            | 980 kg/m <sup>3</sup> . |
| Flash Point:          | Not applicable.     | <b>Solubility in Water:</b>                     | 9.5% w/w @ 2 5°C.       |
| Flammability:         | Non flammable.      | <b>Solubility in Other Solvents:</b>            | Not available.          |
| Auto Ignition Temp:   | Not applicable.     | <b>PH Value:</b>                                | 8.3 (1% w/w solution).  |
| Explosive Properties: | None known.         | <b>Partition Coefficient (n-octanol/water):</b> | Not applicable.         |
| Explosion Limits:     | Not applicable.     | <b>Relative Vapour Density (air = 1):</b>       | Not applicable.         |

### 11. STABILITY AND REACTIVITY

- Stability: • Stable under recommended storage and handling conditions (see Section 8).
- Conditions to avoid: • Contact with acids unless under controlled conditions.  
• Heating the product above 60°C.  
• Humidity and moisture can cause caking of product.
- Materials to avoid: • Acids.
- Hazardous decomposition products: • Not applicable.

**12. TOXICOLOGICAL INFORMATION**

Acute Toxicity	<ul style="list-style-type: none"><li>• Oral LD 50, rat : 4220 mg/kg.</li><li>• Inhalation : Dust may cause discomfort.</li></ul>
Eye Irritation	<ul style="list-style-type: none"><li>• Dust may cause discomfort.</li></ul>
Skin Irritation	<ul style="list-style-type: none"><li>• No known effects.</li></ul>
Long Term Exposure	<ul style="list-style-type: none"><li>• No known effects.</li></ul>

**13. ECOLOGICAL INFORMATION**

Acute Ecotoxicity:	<ul style="list-style-type: none"><li>• Fish, <i>Lepomis macrochirus</i> : 96hr-LC50 : 8600mg/l.</li><li>• Daphnia sp. : 48hr-LC50 : 2350mg/l.</li></ul>
Bio-degradability:	<ul style="list-style-type: none"><li>• Aerobic/Anaerobic degradation: Not applicable (inorganic compound).</li></ul>

**14. DISPOSAL CONSIDERATIONS**

Product:	<ul style="list-style-type: none"><li>• Must be disposed of in accordance with local, national and EU regulations.</li><li>• Do not dispose of directly with acids.</li><li>• Dissolve in water and neutralise with an acid.</li></ul>
Packaging:	<ul style="list-style-type: none"><li>• Must be disposed of in accordance with local, national and EU regulations.</li><li>• Contact the manufacturer about recycling.</li></ul>

**15. TRANSPORT INFORMATION**

Not classified as hazardous for transport.

Land Transport:	<ul style="list-style-type: none"><li>• ADR Class: <b>Not restricted.</b></li><li>• RID Class: <b>Not restricted.</b></li><li>• TREM-card: <b>Not relevant.</b></li><li>• Hazard identification No: <b>None.</b></li><li>• Proper shipping name: <b>None.</b></li></ul>	ADR item No: <b>Not relevant.</b> RID item No: <b>Not relevant.</b> UN No: <b>None.</b> Substance identification No: <b>None.</b>
Sea Transport:	<ul style="list-style-type: none"><li>• IMO/IMDG: <b>Not regulated.</b></li><li>• Packing group: <b>None.</b></li><li>• EMS: <b>Not relevant.</b></li><li>• Marine pollutant: <b>No.</b></li></ul>	Class: <b>Not relevant.</b> UN No: <b>None.</b> MFAG: <b>Not relevant.</b> Proper shipping name: <b>Not relevant.</b>
Air Transport:	<ul style="list-style-type: none"><li>• ICAO-TI/IATA-DGR Class: <b>Not regulated.</b></li><li>• Proper shipping name: <b>None.</b></li></ul>	UN No: <b>None.</b> Packing No: <b>None.</b>

**16. REGULATORY INFORMATION**

Not classified as dangerous for supply or conveyance:	<ul style="list-style-type: none"><li>• Meets the requirements of CHIP.</li></ul>
National Legislation/Regulations:	<ul style="list-style-type: none"><li>• Water Hazard Class: WGK 1, VwVwS (Germany) of 17.05.1999, Annex 2.</li><li>• TSCA Inventory: Listed.</li></ul>

**17. OTHER INFORMATION**

The information contained in this Safety Data Sheet is based on the present state of knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications, and we do not accept any liability for any loss or damage, however arising, which may result directly or indirectly from the use of this information.

Further information and relevant advice can be found in: The Control of Substances Hazardous to Health Regulations 1988 (SI 1988. 1657).  
The Manual Handling Operations Regulations 1992 (SI 1992:2793)  
The Environmental Protection (Duty of Care) Regulations 1992 (SI 1992-2839).