



Section 1. Product and Company Identification.

1.1 Model Number; BSBG25KG v1
1.2 Description; Blasting Soda 25kg Tub
 25 kilograms.

1.3 Manufacturer;
 Sealey Group.
 Kempson Way,
 Bury St. Edmunds,
 Suffolk.
 IP32 7AR

1.4 Emergency telephone number; 44 (0) 1284 757 500 (Office Hours)

Date of source compilation; 01/02/2017

Section 2. Hazards Identification.

2.1 Classification of the substance or mixture.

No data available.

2.2 Label elements.

No data available.

2.3 Other hazards.

No data available.

Section 3. Substances.

3.1 Chemical Name (substance)	3.1 CAS No.	3.2 Concentration Weight	Classification	
			Hazard Class & Category Code	Hazard Statements ¹
Sodium Bicarbonate	144-55-8	98.5 %	-	-

¹For full text of Statements, see Section 16.



Section 4. First Aid Measures.

4.1 Description of first aid measures

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Skin Contact

Wash exposed portions of the skin with soap and water.

If irritation occurs and persists, seek medical advice.

Eye Contact

Remove contact lenses if worn.

Flush eyes with large amounts of water for 15 minutes while holding eyelids open.

Seek medical attention if irritation persists.

Ingestion

Do NOT induce vomiting.

Wash out mouth with water and give plenty of water to drink (at least 300 ml)

Seek medical attention if irritation persists.

4.2. Most important symptoms and effects, both acute and delayed

No data available.

4.3. Indication of any immediate medical attention and special treatment needed

No data available.

Section 5. Fire Fighting Measures.

5.1. Extinguishing media

The product is not combustible, all extinguisher products can be used.

Use extinguishing measures that are appropriate to local to local circumstances and the surrounding environment

5.2. Special hazards arising from the substance or mixture

No data available

5.3. Advice for fire-fighters

No data available



Section 6. Accidental Release Measures.

6.1. Personal precautions, protective equipment and emergency procedures
Keep dust levels to a minimum.

6.2. Environmental precautions
Prevent discharge into sewers, rivers and watercourses.

6.3. Methods and material for containment and cleaning up
Prevent dust formation.
Use vacuum suction or shovel into bags.
Store material in a suitable, correctly labelled and closed container.
Reuse where possible.

6.4. Reference to other sections
See Section 7 for information on Safe Handling
See Section 8 for information of Personal Protective Equipment.
See Section 13 for information on disposal.

Section 7. Handling and Storage.

7.1. Precautions for safe handling
Keep dust levels to a minimum.
Minimize dust generation.
Control atmospheric levels in accordance with Section 8.1.
Observe good personal and house keeping practices.
Workers should wash hands before eating, drinking and smoking.

7.2. Conditions for safe storage, including any incompatibilities
Store in a cool dry place.
Store below 25°C and humidity below 65 %.
Store in original, closed and correctly labelled container.
Keep away from acids.

7.3. Specific end use(s)
Intended for use as Blasting Soda, Model Number identified in 1.1 with Description stated in 1.2.



Section 8. Exposure Controls/Personal Protection.

8.1. Control parameters

Exposure for good hygiene:

Total dust	Less than 10 mg per cubic meter 8h TWA.
Respirable dust	Less than 4 mg per cubic meter 8h TWA.

8.2. Exposure controls

Appropriate Engineering Controls

If user operations generate dust, use process enclosures, local exhaust ventilation or other engineering controls to keep airborne dust levels below recommended exposure limits.

Eye/Face Protection

Goggles specified to EN 166

Skin Protection

Wear suitable protective gloves for protection against frequent or prolonged contact.

Respiratory Protection

In case of high dust levels, use dust mask EN 143. Recommended filter P2.

In case of abrasive blasting operations in an open nozzle situation, an air fed helmet must be used.

Section 9. Physical and Chemical Properties.

9.1. Information on basic physical and chemical properties

The following information is not a technical specification or sales specification.

(a) Appearance:	White crystalline powder.
(b) Odour:	No data available.
(c) Odour threshold:	No data available.
(d) pH:	8.4 (saturated solution, study result, EU Method A.6)
(e) Melting point point;	decomposes above 50 °C
(f) Initial boiling point and boiling range;	No data available.
(g) Flash point;	No data available.
(h) Evaporation rate;	No data available.
(i) Flammability;	Not flammable.
(j) Upper/lower flammability or explosive limits;	No data available.
(k) Vapour pressure;	No data available.
(l) Density;	2.21 – 2.23 @ 20 °C
(m) Relative density;	No data available.
(n) Solubility in water;	93.4g/l @ 20 °C (study result EU method A.6)
(o) Partition coefficient: n-octanol/water;	No data available.
(p) Auto-ignition temperature;	No data available.
(q) Decomposition temperature;	starts to decompose above 50 °C
(r) Viscosity;	No data available.
(s) Explosive properties;	No data available.
(t) Oxidising properties.	Non oxidising

9.2 Other information

No data available.



Section 10. Stability and Reactivity.

10.1. Reactivity	Decomposes slowly on exposure to water
10.2. Chemical stability	Reacts with acids, evolving carbon dioxide
10.3. Possibility of hazardous reactions	Stable under recommended storage and handling conditions
10.4. Conditions to avoid	No data available
10.5. Incompatible materials	Contacts with acids unless under controlled conditions
10.6. Hazardous decomposition products	Heating above 50 C – thermal decomposition commences Exposure to moisture Acids No data available

Section 11. Toxicological Information.

11.1. Information on toxicological effects:

Oral LD50, rat : >4000 mg/kg
 Inhalation rat : 4.74 mg/l (low toxic potential)

Section 12. Ecological Information.

12.1. Toxicity	
Fish , Lepomis macrochirus	: 96hr-Lcso,7100mg/l
Fish , Lepomis macrochirus	: 96hr-NOEC,5200mg/l
Invertebrates, Daphnia magna	: 48hr-Lcso,4100 mg/l
Invertebrates, Daphnia magna	: 48hr-NOEC 3,100 mg/l
Invertebrates, Daphnia magna	: 21 day-NOEC >576 mg/l
12.2. Persistence and degradability	Not applicable.
12.3. Bioaccumulative potential	Not applicable.
12.4. Mobility in soil	Not applicable.
12.5. Results of PBT and vPvB assessment	Does not meet criteria for a PBT or vPvB substance.
12.6. Other adverse effects	No data available.

Section 13. Disposal Considerations.

13.1. Waste treatment methods

Dispose of in accordance with local authority regulations.
 Do not dispose of directly with acids.

Section 14. Transport Information.

Not hazardous for transport.

Section 15. Regulatory Information.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
 Water Hazard Class: WGK1, VwVwS (Germany)

15.2. Chemical safety assessment

A Chemical Safety Assessment has been undertaken on sodium bicarbonate.



Section 16. Additional Information.

Full text of Statements used in Section 3;
 No data available

The above information is believed to be accurate and represents the best information currently available.

No warranty is expressed or implied by the above information.

We assume no liability resulting from use of the above information.

The end user should conduct their own investigations to determine the suitability of the above information for their particular purpose.

Issue level	Date	Revisions
1	20/03/2020	First issue.

End of Safety Data Sheet.