

SAFETY DATA SHEET

SODIUM CARBONATE, solid

mscr100

1. Identification of the substance/preparation and of the company/undertaking

Product name : SODIUM CARBONATE, solid **Supplier** : Brenntag UK and Ireland
 Albion House
 Rawdon Park
 Green Lane
 Yeadon
 Leeds
 LS19 7XX

Chemical formula : Na₂CO₃

EMERGENCY ONLY TELEPHONE NUMBER : (N.C.E.C. CULHAM) 01865 407333 **Telephone No.** : (0113) 3879200

Formula : Na₂CO₃ **Fax No.** : (0113) 3879280

Molecular Mass : 106.0

2. Composition/information on ingredients

Substance/Preparation : Substance

Chemical name*	CAS No.	%	EC Number	Symbol	R-Phrases
1) SODIUM CARBONATE, solid	497-19-8	100	207-838-8	Xi	R36

* Occupational Exposure Limit(s), if available, are listed in Section 8

CAS No. 497-19-8
EINECS Number 207-838-8

3. Hazards identification

Human health hazards : Irritating to eyes.

4. First-aid measures

First-Aid measures

Inhalation : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.

Ingestion : Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Skin contact : Wash with soap and water. Get medical attention if irritation develops.

Eye Contact : In case of contact, immediately flush eyes with a copious amount of water for at least 15 minutes. Obtain medical attention.

Effects and symptoms

Inhalation : Very slightly hazardous in case of inhalation.

Skin contact : Very slightly hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Eye Contact : Hazardous in case of eye contact (irritant).

5. Fire-fighting measures

Extinguishing Media

Suitable : Nonflammable substance. Select extinguishing agent appropriate for other materials in fire.

Hazardous thermal (de)composition products : carbon oxides (CO, CO₂)

Special fire-fighting procedures : Fire fighters should wear self-contained positive pressure breathing apparatus (SCBA) and full turnout gear.

6. Accidental release measures

- Personal Precautions** : Splash goggles. Protective overalls/suit. Dust respirator. Boots. Gloves. If there is a significant airborne concentration then suitable breathing apparatus should be used to avoid inhalation of the product. Select appropriate protective clothing for the size of the spillage.
- Environmental precautions and cleanup methods** : Use a non-sparking shovel to put the material into a suitable waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

7. Handling and storage

- Handling** : Do not ingest. Do not breathe dust. Avoid contact with eyes. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as acids.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area.
- Packaging materials**
- Recommended use** : Use original container.

8. Exposure controls/personal protection

- Engineering measures** : Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
- Hygiene measures** : Wash hands after handling compounds and before eating, smoking, using lavatory, and at the end of day.

Ingredient Name

Workplace Exposure Limits

1) Nuisance dust.

EH40 (United Kingdom (UK)).LTEL: 10 mg/m³ Period: 8 hour(s). Form: Total inhalable dust.LTEL: 4 mg/m³ Period: 8 hour(s). Form: Respirable dust

Personal protective equipment

- Respiratory system** : Dust respirator. Be sure to use an approved/certified respirator or equivalent.
- Skin and body** : Overalls or Lab coat.
- Hands** : Gloves.
- Eyes** : Splash goggles.

9. Physical and chemical properties

- Physical state** : Solid. (Solid powder.)
- Colour** : White.
- Odour** : Odourless.
- Boiling point** : 1600°C (2912°F)
- Melting point** : 851°C (1563.8°F)
- Density** : Not available.
- Solubility** : Soluble in cold water.
- pH** : >8 [Basic.]
- Flash point** : Not applicable.

10. Stability and reactivity

- Stability** : The product is stable.
- Materials to avoid** : Highly reactive with acids.
Slightly reactive with moisture.
Incompatible with aluminium and magnesium.
Incompatible with alkaline metals.
- Hazardous decomposition products** : carbon oxides (CO, CO₂)

11. Toxicological information

Local effects

Skin irritation : Very slightly hazardous in case of skin contact (irritant).**Eye irritation** : Hazardous in case of eye contact (irritant).**Acute toxicity** : Acute oral toxicity (LD50): 4090 mg/kg [Rat].

12. Ecological information

Ecotoxicity : Practically non-toxic to aquatic organisms. High concentrations may be harmful to aquatic life due to effect on pH.

13. Disposal considerations

Methods of disposal ; Waste of residues ; Contaminated packaging : Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Waste Classification : Not applicable.

14. Transport information**International transport regulations**

UN : UN number Not regulated.

UN : Proper shipping name Not regulated.

ADR/RID : Class Not regulated.

15. Regulatory information**EU Regulations**

Hazard symbol(s) :



Classification : Irritant

Risk Phrases : R36- Irritating to eyes.

Safety Phrases : S2- Keep out of the reach of children.

S22- Do not breathe dust.

S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Product Use : Classification and labelling have been performed according to EU directives 67/548/EEC, 88/379/EEC, including amendments and the intended use.
- Consumer applications.

16. Other information**HISTORY**

Date of printing : 29/07/2009.

Date of issue : 29/07/2009.

Date of previous issue : 19/04/2001.

Version : 2.01

Prepared by : Michael Hale / Alistair Hunter

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.