

# SAFETY DATA SHEET

## SODA CRYSTALS, CRUSHED GRADE

MSOC200

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

<b>Product name</b>	<b>: SODA CRYSTALS, CRUSHED GRADE</b>	<b>Supplier</b>	<b>: Brenntag UK and Ireland Albion House Rawdon Park Green Lane Yeadon Leeds LS19 7XX</b>
<b>Chemical product name</b>	<b>: SODIUM CARBONATE DECAHYDRATE</b>		
<b>Synonyms</b>	<b>: SODA CRYSTALS, CRUSHED GRADE SODA CRYSTALS</b>		
<b>EMERGENCY ONLY TELEPHONE NUMBER</b>	<b>: (N.C.E.C. CULHAM) 01865 407333</b>	<b>Telephone No.</b>	<b>: (0113) 3879200</b>
		<b>Fax No.</b>	<b>: (0113) 3879280</b>
<b>Formula</b>	<b>: Na<sub>2</sub>CO<sub>3</sub>·10H<sub>2</sub>O</b>	<b>Molecular Mass</b>	<b>: 286.0</b>

### 2. Composition/information on ingredients

**Substance/Preparation** : Substance

Chemical name*	CAS No.	%	EC Number	Symbol	R-Phrases
1) SODIUM CARBONATE DECAHYDRATE	6132-02-1	100	NOT LISTED	Xi	R36

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

<b>Composition</b>	CONTAINS 36.0-37.2% w/w SODIUM CARBONATE AND 64% (MAX) w/w WATER.
<b>CAS No.</b>	6132-02-1
<b>EINECS Number</b>	NOT LISTED

### 3. Hazards identification

**Human health hazards** : A moderately irritating alkaline material, affecting eyes, skin and mucous membranes.

### 4. First-aid measures

#### First-Aid measures

<b>Inhalation</b>	: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Obtain medical attention.
<b>Ingestion</b>	: Wash out mouth with water. Have victim drink 240-300ml of water to dilute stomach contents. Obtain medical attention. Do not induce vomiting.
<b>Skin contact</b>	: Wash skin with water. Remove contaminated clothing as washing proceeds. Obtain medical attention if blistering occurs or redness persists.
<b>Eye Contact</b>	: Immediately flood the eye with plenty of water for at least 10 minutes, holding the eye open.

#### Effects and symptoms

<b>Eye Contact</b>	: Hazardous in case of eye contact (irritant).
--------------------	--

### 5. Fire-fighting measures

#### Extinguishing Media

<b>Suitable</b>	: Select extinguishing agent appropriate to other materials involved.
<b>Unusual fire/explosion Hazards</b>	: Hazardous Combustion Products : CARBON DIOXIDE

This product may give rise to hazardous fumes in a fire.

<b>Special fire-fighting procedures</b>	: Fire fighters should wear self-contained positive pressure breathing apparatus (SCBA) and full turnout gear.
<b>Protection of fire-fighters</b>	: Wear full protective clothing and self-contained breathing apparatus.

## 6. Accidental release measures

<b>Personal Precautions</b>	: Wear appropriate protective clothing. Wear respiratory protection.
<b>Environmental precautions and cleanup methods</b>	: Small spillages may be flushed with large quantities of water. Sweep or preferably vacuum up and collect in suitable containers for recovery or disposal. : Advise Authorities if spillage has entered water course or sewer or has contaminated soil or vegetation.

## 7. Handling and storage

<b>Handling</b>	: Avoid contact with eyes, skin and clothing. S36 Wear suitable protective clothing. Emergency shower and eye wash facilities should be readily available. Use in well ventilated area. Storage area should be: away from incompatible materials. Empty containers may contain hazardous residues. Contaminated containers must not be re-used.
<b>Storage</b>	: Storage area should be: cool. under cover. well ventilated. Keep containers closed to prevent ingress of moisture.
<b><u>Packaging materials</u></b>	
<b>Recommended use</b>	: Use original container.

## 8. Exposure controls/personal protection

<b>Engineering measures</b>	: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective threshold limit value. Ensure that eyewash stations and safety showers are close to the workstation location.
<b>Hygiene measures</b>	: Wash hands after handling compounds and before eating, smoking, using lavatory, and at the end of day.
<b>Workplace Exposure Limits</b>	: Not available.
<b><u>Personal protective equipment</u></b>	
<b>Respiratory system</b>	: Air supplied breathing apparatus.
<b>Skin and body</b>	: Overalls or Lab coat.
<b>Eyes</b>	: Splash goggles.

## 9. Physical and chemical properties

<b>Physical state</b>	: Crystals.
<b>Colour</b>	: Colourless.
<b>Odour</b>	: Odourless.
<b>Boiling point</b>	: Decomposes
<b>Melting point</b>	: 32.5
<b>Density</b>	: Not available.
<b>Solubility</b>	: 26% w/w
<b>pH</b>	: Alkaline
<b>Flash point</b>	: Not available.

## 10. Stability and reactivity

<b>Stability</b>	: The product is stable.
<b>Materials to avoid</b>	: Acid anhydrides. Acids. Air. Phosphorous pentoxide. Water. Strong acids. Aluminium. Lithium.

## 11. Toxicological information

<b><u>Local effects</u></b>	
<b>Eye irritation</b>	: Hazardous in case of eye contact (irritant).
<b>Acute toxicity</b>	: Oral LD50 (rat) 4090mg/kg.

## 12. Ecological information

<b>Ecotoxicity</b>	: The product is rated as slightly toxic to aquatic species. See 'Additional Data'. Ecological Information
--------------------	--

### 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](#)

### 15. Regulatory information

[EU Regulations](#)

**Hazard symbol(s)**

:



**Classification**

: Irritant

**Risk Phrases**

: R36 Irritating to eyes.

**Safety Phrases**

: 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** : 20/02/2009.

**Date of issue** : 19/04/2001.

**Date of previous issue** : No Previous Validation.

**Version** : 1

**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.*

**Version** 1

**Page: 3/3**