

## SAFETY DATA SHEET

<b>Product Name:</b> Sodium Carbonate																	
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<b>Product Name:</b> Sodium Carbonate	
<b>6. Accidental release measures</b>	
Personal	Isolate the contaminated area and instruct others to keep away.
Environmental precautions:	Contain and control the spillage on site.
Recovery:	Sweep up and shovel into drums or plastic bags. Wash the spillage area clean with plenty of water.
<b>7. Handling and Storage</b>	
Safe Handling advice:	Due care must be taken and any damaged packages must be isolated and repaired. Avoid dust generation.
<b>Storage</b>	Keep in cool dry conditions – non humid. Do not store together with acids. Corrosive to metals (Aluminium and Zinc)
Ventilation	Storage area should be well ventilated.
<b>8. Exposure Controls Personal Protection</b>	
Engineering Controls	COSHH – due consideration should be given to your control systems and the need for assessment.
Eye protection	Safety goggles.
Skin protection	Gloves, protective clothing.
Respiratory protection	Respiratory protection may be required. Respirator with filter P2.
<b>9. Physical and chemical properties</b>	
Form	Hygroscopic crystalline solid or powder.
Colour	White
Odour	Odourless
PH	11.4 @ 25°C
Viscosity	n.a.
Boiling point/range	1600 C (decomposes)
Melting point/range	851
Flash point	n.a.
Vapour pressure	n.a.
Density	2532 kg/m <sup>3</sup> (20°C)
Water solubility	25 g/100 ml H <sub>2</sub> O @ 25 C (light) 22 g/100 ml H <sub>2</sub> O @ 25 C (dense) Insoluble in alcohol

<b>Product Name:</b> Sodium Carbonate	
<b>10. Stability and reactivity</b>	
Stability	Stable under normal conditions
Conditions to avoid	Reacts strongly with acids. Contact with lime and moisture forms caustic soda. Must not be subjected to water.
Materials to avoid	Aluminium and zinc.
Hazardous decomposition products	Toxic fumes of Na <sub>2</sub> O
<b>11. Toxicological information</b>	
Short Term	
Eyes	Pain, redness.
Skin	Redness.
Ingestion	Nausea, vomiting. Oral LD <sub>50</sub> (rat) : 2.8 g/kg
Inhalation	Sore throat, cough. Inhalation LC <sub>50</sub> (rat) : 5750 mg/l (2 hrs max attainable conc.)
<b>12. Ecological Information</b>	
Biodegradability	Product is readily biodegradable
Aquatic Toxicity	n.a.
Other	The product increases the pH (water, soil). This product is not registered under "Hazardous Waste Regulations".
<b>13. Disposal Considerations</b>	
Advice on disposal	Disposal should be in accordance with local authority regulations.
Contaminated packaging	As above.
<b>14. Transport Information</b>	
UN No	n.a.
Proper Shipping Name	n.a.
Packaging Group	n.a.
Transport	Not classified for transport
ADR Class	n.a.
ICAO/IATA/IMDG	n.a.

**Product Name:** Sodium Carbonate

**15. Regulatory Information**

EC Labelling  
Symbols

Xn

Irritant

R-Phrases

R36

Irritating to eyes

S-Phrases

S22

Do not breathe dust

S26

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

The statements made herein are based on our best present experience and are intended to describe product safety requirements. They should not therefore be considered as a warranty of specific properties.