

## MATERIAL SAFETY DATA SHEET

<b>Product Name:</b> Sodium Carbonate					
<b>1. Chemical product and company identification</b>					
Product name	Sodium Carbonate				
Chemical name	Sodium Carbonate				
Product type and use	Swimming pools				
Company identification	Total Pool Chemicals				
Address and telephone number	Unit 1, Pool Bank Park High Street, Tarvin, Chester CH3 8JH				
Emergency telephone number	01829 740290				
<b>2. Composition/Information on ingredients</b>					
<b>Chemical Name</b>	<b>CAS No</b>	<b>Content %</b>	<b>Symbol</b>	<b>R-phrase(s)</b>	<b>EINECS No</b>
Sodium Carbonate	497-19-8	99.5		R36	207-838-8
<b>3. Hazards identification</b>					
Health	Irritating to the eyes				
<b>4. First-aid measures</b>					
Inhalation	Remove to fresh air, keep warm and at rest. Consult a doctor.				
Skin contact	Remove contaminated clothing. Wash skin with soap and plenty of water.				
Contact with eyes	Irrigate with eyewash solution or water for a least 10 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Seek medical advice if irritation persists.				
Ingestion	Do not induce vomiting. Give water or milk to drink.				
<b>5. Fire-fighting measures</b>					
Extinguishing media	All extinguishing products are suitable				
Hazards	The product is not flammable, explosive				
Protection	No special requirement				

<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.