

MATERIAL SAFETY DATA SHEET

Product Name: Alkalinity Builder													
1.	<p>Chemical product and company identification</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">Product name</td> <td>Alkalinity Builder</td> </tr> <tr> <td>Chemical name</td> <td>Sodium Bicarbonate</td> </tr> <tr> <td>Product type and use</td> <td>Swimming pools</td> </tr> <tr> <td>Company identification</td> <td>Total Pool Chemicals Ltd</td> </tr> <tr> <td>Address and telephone number</td> <td>Unit 1, Pool Bank Park High Street, Tarvin, Chester CH3 8JH</td> </tr> <tr> <td>Emergency telephone number</td> <td>01829 740290</td> </tr> </table>	Product name	Alkalinity Builder	Chemical name	Sodium Bicarbonate	Product type and use	Swimming pools	Company identification	Total Pool Chemicals Ltd	Address and telephone number	Unit 1, Pool Bank Park High Street, Tarvin, Chester CH3 8JH	Emergency telephone number	01829 740290
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2.	<p>Composition/Information on ingredients</p> <table style="width: 100%; border: none;"> <thead> <tr> <th style="text-align: left;">Chemical Name</th> <th style="text-align: left;">CAS No</th> <th style="text-align: left;">Content %</th> <th style="text-align: left;">Symbol</th> <th style="text-align: left;">R-phrases(s)</th> </tr> </thead> <tbody> <tr> <td>Sodium Bicarbonate</td> <td>144-55-8</td> <td>>99.5%</td> <td></td> <td></td> </tr> </tbody> </table>	Chemical Name	CAS No	Content %	Symbol	R-phrases(s)	Sodium Bicarbonate	144-55-8	>99.5%				
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5. Fire-fighting measures	
Extinguishing media	Use extinguishing media appropriate to other materials involved in and/or to the circumstances of the fire. Keep containers cool with water spray.
Specific hazards during fire fighting	Combustible. Stable under normal conditions. Decomposes in heated air and on contact with acids to liberate fumes of carbon dioxide.
Special protective equipment	Fire fighters should wear breathing apparatus and appropriate clothing.
6. Accidental release measures	
Personal precautions:	Avoid dust formation. If necessary, wear a dust mask and other protective clothing.
Environmental precautions:	If the size of spillage warrants and has contaminated water courses, drains or vegetation – advise appropriate authorities. Evacuate personnel from the area.
Methods for cleaning up:	No special precautions are required. Flush the contaminated area to drain with large quantities of water. Dispose of hazardous waste in accordance with waste disposal and water authority regulations.
7. Handling and Storage	
Safe Handling advice:	Exposure by inhalation or skin contact should be minimised by good industrial hygiene practice. Wear appropriate protective clothing. Safety showers and eyebaths should be available in areas where accidental exposure is possible. Ensure adequate ventilation to keep the airborne concentration as low as possible. Extinguish ignition sources – no smoking. The product should be kept in a closed system away from strong acids.
Advice on protection against fire And explosion	
Storage Requirements for storage areas and containers	Store in a cool, dry, well-ventilated area, away from incompatible chemicals or materials. Store away from moisture and contact with steam pipes.
8. Exposure controls/Personal Protection	
Personal protection	
- Hand Protection	Wear PVC or rubber gloves
- Eye Protection	Wear chemical goggles and a dust mask to prevent inhalation of the product.
- Skin Protection	Wear cotton overalls, headgear and rubber boots.
- Respiratory Protection	A dust mask or respirator should be worn to prevent inhalation of the dust.

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9. Physical and chemical properties	
Form	Crystals or powder
Colour	White
Odour	Odourless
Boiling point	Decomposes
Freezing point	n.a.
Flash point	n.a.
Flammability	n.a.
Ignition temperature	n.a.
Autoflammability	n.a.
Explosive properties	n.a.
Explosion limits - lower	n.a
- upper	n.a.
Vapour pressure	n.a.
Density	n.a.
Bulk density	n.a.
Solubility in water	9% w/w 25°C
pH	>8
10. Stability and reactivity	
Conditions to avoid	Stable under normal storage conditions.
Materials to avoid	Decomposes on contact with acids. Violent reactions with sodium potassium alloy and ammonium hydrogen phosphate.
11. Toxicological information	The product exhibits no acute toxicity by a single exposure. Dust may cause discomfort when in contact with eyes.
12. Ecological Information	Non-hazardous to living resources. 96 hr LC50 100 mg/l (4)
13. Disposal Considerations	Treat as for spillages. Wear appropriate clothing – see accidental release measures. Do not attempt to neutralise with strong acids. Neutralisation generates much heat.

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14. Transport Information

UN Number	None
Packing Group	Not allocated
ADR Class	Not allocated
IMCO Class	Non Hazardous
IMDG Code	Not applicable
EINECS No	205-633-8

15. Regulatory Information

No Risk phrases	The product is not a dangerous substance under the classification, packaging and labelling regulations. Under the CPL regulations risk and safety phrases are not assigned to the product.
No Safety phrases	

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.