

SAFETY DATA SHEET

Product Name: Alkalinity Builder											
1. Chemical product and company identification Product name Chemical name Product type and use Company identification Address and telephone number Emergency telephone number	Alkalinity Builder Sodium Bicarbonate Swimming pools Swimmingpoolchemicals Unit 5, Pool Bank Park High Street, Tarvin, Chester CH3 8JH 01829 740290										
2. Composition/Information on ingredients <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; border-bottom: 1px solid black;">Chemical Name</th> <th style="text-align: left; border-bottom: 1px solid black;">CAS No</th> <th style="text-align: left; border-bottom: 1px solid black;">Content %</th> <th style="text-align: left; border-bottom: 1px solid black;">Symbol</th> <th style="text-align: left; border-bottom: 1px solid black;">R-phrase(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-phrase(s)	Sodium Bicarbonate	144-55-8	>99.5%			
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3. Hazards identification	Substance of low toxicity widely used in food and medicine. Treat as a low toxicity dust.										
4. First-aid measures Inhalation Skin contact Contact with eyes Ingestion Medical Assistance	Over exposure by inhalation is extremely unlikely to warrant medical attention. Significant exposure by skin contact is extremely unlikely to warrant medical attention. Rinse off excess material and immediately wash affected area with plenty of water. Rinse eye thoroughly with water for at least 10 minutes, holding the eyelids apart if necessary. Seek medical attention if necessary. Over exposure by ingestion is extremely unlikely to warrant medical attention. Rinse mouth with water and give 200-300 ml of warm water to drink. Unlikely to be required but if necessary treat symptomatically.										

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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
No Safety 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.

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.