

## SAFETY DATA SHEET SODIUM BICARBONATE

### 1. IDENTIFICATION

Trade name: Sodium Bicarbonate  
Generic name: Bicarbonate of Soda, Baking Soda, Soda Bicarb, Sodium Hydrogencarbonate  
Product type/area of use: Swimming Pools

### 2. INFORMATION ON COMPOSITION

Substances which give the product

<u>Its Health-risk properties</u>	<u>CAS-no</u>	<u>Contents %</u>
Sodium Bicarbonate	144-55-8	

### 3. HAZARDS IDENTIFICATIONS

Inhalation: Low toxicity dust  
Liquid: N/A  
Eye contact: Low toxicity dust  
Skin contact: Low toxicity dust  
Ingestion: Low toxicity dust

### 4. FIRST-AID MEASURES

Inhalation: Remove to fresh air  
Eye contact: Irrigate thoroughly with eye wash solution or clean water for at least 10mins. Obtain medical advice if necessary  
Skin contact: Wash with plenty of water  
Ingestion: Do not induce vomiting. Wash out mouth with water and give 200-300 ml (half a pint) of water to drink. Obtain medical advice if necessary

### 5. FIRE-FIGHTING MEASURES

Fire and Explosion Hazards: N/A  
Precautions: N/A  
Extinguishing media: N/A  
Not suitable extinguishing media: N/A

### 6. ACCIDENTAL RELEASE MEASURES

No special precautions. Clear up spillages. Transfer to a container for disposal or recovery. Wash the spillage area with water.

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## 7. HANDLING AND STORAGE

Handling: Atmospheric levels should be controlled in compliance with the occupational exposure limit.  
Skin protection should be worn for continuous and regular handling.

Storage: Store in a cool and dry area. Do not store adjacent to acids.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Standards:

-UK EH40 : OES 10mg/m<sup>3</sup> (Total dust) (8hr TWA)  
5mg/m<sup>3</sup> (Respirable dust) (8hr TWA)

Personal protection: For continuous and regular handling wear overalls, suitable gloves and eye/face protection. In the case of insufficient ventilation, wear suitable respiratory protective equipment.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White Powder

Boiling point: N/A Density (g/ml) 0.98

Flashpoint TCC: N/A Vapor pressure (mm Hg)

Pour point: N/A Vapor density (air=1)

Auto-ignition temp N/A Soluble in organic solvent:

Expl.omr. Solubility in water: 9.5% w/w @ 25°C

PH pH 10% solution in 6.2 distilled water

Rel.evaporation rate:

## 10. STABILITY AND REACTIVITY

Hazardous Decomposition Product: Carbon Dioxide (CO<sub>2</sub>)

Hazardous Reactions: May react with acid to produce carbon dioxide

## 11. TOXICOLOGICAL INFORMATION

Inhalation: Dust may cause discomfort

Skin contact: No known effects

Eye contact: Dust may cause discomfort

Ingestion: Practically non-harmful; Oral LD<sub>50</sub> (RAT) >4220mg/kg calculated

Long term exposure: No known effects

## 12. ECOLOGICAL INFORMATION

Environmental Fate & Distribution: This product is soluble in water

Persistence & Degradation: No data

Aqua Toxicity: Practically non toxic to fish  
LC<sub>50</sub> (Lepomis Macrochirus) (96 hour) 8600mg/l

## 13. DISPOSAL CONSIDERATIONS

Disposal should be in accordance with local state and national legislation.  
Do not dispose of with acids.

## 14. TRANSPORT INFORMATION

UN no: Packaging gr. Non-Hazardous

ADR/RID:

IMDG class: Side: EmSno:

MFAG no:

DGR:

Goods description:

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#### 15. REGULATORY INFORMATION

Chemical health hazard: Non-Hazardous

Chemical to the environment:

Inflammable product: Class:

Explosive product: Tmsp.class

Labelling category:

Symbol: Main text:

R-phrase: none

S-phrase: none

#### 16. OTHER INFORMATION

The information contained in this sheet does not constitute a hazard assessment and should not be used in place of the user's own assessment of workplace risks as required by other Health & Safety legislation.