

**1. Identification**

Product Code CS4094-56

Product Name SODIUM HYDROGEN CARBONATE pure

Other Names , baking soda

Molecular Formula  $\text{NaHCO}_3$  =84.01

CAS Number 144-55-8

Supplier:  **BEECROFT & PARTNERS**  
Northfield Road  
Rotherham  
South Yorkshire

Phone 01709-377881

Fax 01709-369264

Emergency Telephone 08:30-1700 01709-377881  
24hr 112  
(Have this document to hand)

**2. Composition**

No hazardous components

**3. Hazards Identification**

Not considered harmful

**4. First Aid Measures**

Eyes Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open. If discomfort persists OBTAIN MEDICAL ATTENTION.

Skin Wash off skin thoroughly with water.

Inhalation Remove from exposure.

Ingestion Wash out the patients mouth thoroughly with water. In severe cases or if exposure has been great, OBTAIN MEDICAL ATTENTION.

**5. Fire Fighting Measures**

Hazards Presents no specific fire danger.

Extinguishing Media Consider what other flammable materials are present and act accordingly.

Unsuitable Media Nothing specified.

**6. Accidental Release Measures**

Personal Protection Presents no major hazards.

Environmental Notify the Environmental Agency and local Environmental Health Officer if major spillage occurs.

## 6. Accidental Release Measures (continued)

|                |                                                                                          |
|----------------|------------------------------------------------------------------------------------------|
| Major Spillage | Shovel/sweep up into container for removal Wash area down with copious amounts of water. |
| Minor Spillage | Wash area down with copious amounts of water.                                            |

## 7. Storage & Handling

|                      |                                                                                                                                                                                 |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Handling Precautions | Avoid contact with skin and eyes. Do not breath dust. Do not allow to contaminate clothing.<br><br>Ensure Local Exhaust Ventilation maintains dust concentrations to a minimum. |
| Storage Conditions   | Well ventilated, cool, dry storage . Keep well separated from acids.                                                                                                            |

## 8.1 Occupational Exposure Limits

No prescribed exposure limits available

## 8.2 Personal Protection

|             |                                                                                                                    |
|-------------|--------------------------------------------------------------------------------------------------------------------|
| Respiratory | If process creates significant amounts of dust use L.E.V. or wear suitable dust mask.                              |
| Hands       | Wear gloves.                                                                                                       |
| Eyes        | Use chemical splash proof glasses or goggles.                                                                      |
| Skin        | Avoid contact with skin. If skin contact or contamination of clothing is likely, protective clothing must be worn. |

## 9. Physical & Chemical Properties

|                       |                    |
|-----------------------|--------------------|
| Appearance            | White powder.      |
| Odour                 | No specific odour. |
| pH                    | 9 @ 20 °C          |
| Boiling point         | Not available      |
| Melting point         | 270.0 °C           |
| Flash point           | Not available      |
| Upper Flammable Limit | Not available      |
| Lower Flammable Limit | Not available      |
| Auto Ignition         | Not available      |
| Explosive properties  | No.                |
| Oxidising Properties  | No.                |
| Vapour Pressure       | Not available      |
| Relative Density      | 2.2200             |
| Water Solubility      | 9%                 |

## 10. Stability & Reactivity

|                                  |                                |
|----------------------------------|--------------------------------|
| Chemical Stability               | Stable under normal conditions |
| Conditions to Avoid              | Avoid contact with acids.      |
| Materials to Avoid               | Acids.                         |
| Hazardous Decomposition Products | None unusual.                  |

## 11. Toxicological Information

|             |                                                                                                    |
|-------------|----------------------------------------------------------------------------------------------------|
| Eyes        | Contact with the solid or dust may be irritating to the eyes but unlikely to cause serious injury. |
| Skin        | Contact with the solid or dust may be mildly irritating to the skin..                              |
| LD50 Skin   | Not available                                                                                      |
| Ingest      | Low order of acute toxicity.                                                                       |
| LD50 Ingest | Oral rat 4220 mg/Kg                                                                                |

## 11. Toxicological Information (continued)

|                      |                                                      |
|----------------------|------------------------------------------------------|
| Inhalation           | Presents no significant health hazard by inhalation. |
| Carcinogenicity      | Not considered to be a carcinogen.                   |
| Mutagenicity         | Not considered to be a mutagen.                      |
| Reproductive Effects | None identified.                                     |
| Other Information    | Used in the food industry.                           |

## 12. Ecological

Material is practically non-toxic to fish on an acute basis (LC50 > 100mg/l).

## 13. Disposal Considerations

|                        |                                                                |
|------------------------|----------------------------------------------------------------|
| Disposal Methods       | Flush to drain.                                                |
| Contaminated Packaging | Wash out containers with water. Use a licensed waste disposer. |

## 14. Transport Information

|                      |                |
|----------------------|----------------|
| Proper Shipping Name | Non-restricted |
| UN Number            | Non-restricted |
| UN Classification    | None           |
| Subsidiary Risk      | None           |
| Flash Point          | Not available  |
| Packing Group        | None           |
| Marine pollutant     | No             |
| ADR Hazard ID        | Non-restricted |

## 15. Regulatory Information

|                       |                                              |
|-----------------------|----------------------------------------------|
| Labelling             | None                                         |
| Classification        |                                              |
| Label Symbols         | None                                         |
| Risk & safety Phrases | Do not breath dust. Avoid contact with eyes. |
| EEC Number            | 205-633-8                                    |

## 16. Other Information

|                      |                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Document Information | <p>This document has been prepared in accordance with directive 88/379/EEC.</p> <p>The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment.</p> <p>Revision Date: 14/11/95.<br/>Data reviewed and PDF file generated: 07/06/04.<br/>Copyright 2004 Beecroft &amp; Partners.</p> |
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