

Revision Date: 24.03.2011  
Revision: 02



## SAFETY DATA SHEET SODIUM BICARBONATE

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

|                                  |  |
|----------------------------------|--|
| <b>Product Name</b>              | SODIUM BICARBONATE   |
| <b>Synonyms, Trade Names</b>     | PH STABILISER, BRISWIM PH STABILISER, BICARBONATE OF SODA, BRISWIM SPA ALK |
| <b>REACH Registration Number</b> | 01-2119457606-32   |
| <b>CAS-No.</b>                   | 144-55-8   |
| <b>EC No.</b>                    | 205-633-8  |

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

|                        |   |
|------------------------|---|
| <b>Identified uses</b> | Detergent Industrial application Chemical |
|------------------------|---|

#### 1.3. Details of the supplier of the safety data sheet

|                  |  |
|------------------|--|
| <b>Supplier:</b> | Univar<br>Aquarius House<br>6 Midpoint Business Park<br>Thornbury<br>Bradford<br>BD3 7AY<br>+44 1274 267300<br>+44 1274 267306<br>sds@univareurope.com |
|------------------|--|

#### 1.4. Emergency telephone number

|  |                 |
|--|-----------------|
| <b>Emergency Contact Number (Office Hours)</b>         | +44 1274 267346 |
| <b>Emergency Contact Number (Outside Office Hours)</b> | +441865 407333  |
| <b>Sds No.</b>   | 20290           |

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

|                                      |                               |                 |
|--------------------------------------|-------------------------------|-----------------|
| <b>Classification (EC 1272/2008)</b> | Physical and Chemical Hazards | Not classified. |
|                                      | Human health                  | Not classified. |
|                                      | Environment                   | Not classified. |
| <b>Classification (67/548/EEC)</b>   | Not classified.               |                 |

The Full Text for all R-Phrases and Hazard Statements is Displayed in Section 16 Environment

The product is not expected to be hazardous to the environment.

#### 2.2. Label elements

|               |           |
|---------------|-----------|
| <b>EC No.</b> | 205-633-8 |
|---------------|-----------|

# SODIUM BICARBONATE

Label In Accordance With (EC) No. 1272/2008

Not classified.

## 2.3. Other hazards

Not Classified as PBT/vPvB by current EU criteria.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

|                                  |                    |
|----------------------------------|--------------------|
| <b>Product Name</b>              | SODIUM BICARBONATE |
| <b>REACH Registration Number</b> | 01-2119457606-32   |
| <b>CAS-No.</b>                   | 144-55-8           |
| <b>EC No.</b>                    | 205-633-8          |

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

#### **Inhalation.**

Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

#### **Ingestion**

Immediately rinse mouth and provide fresh air. Get medical attention if any discomfort continues. Do not induce vomiting.

#### **Skin Contact**

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

#### **Eye Contact**

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

### 4.2. Most important symptoms and effects, both acute and delayed

#### **Eye Contact**

May cause temporary eye irritation.

### 4.3. Indication of any immediate medical attention and special treatment needed

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

#### **Extinguishing Media**

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

### 5.2. Special hazards arising from the substance or mixture

#### **Specific Hazards**

Oxides of: Carbon.

### 5.3. Advice for firefighters

#### **Protective Measures In Fire**

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet.

### 6.2. Environmental precautions

## SODIUM BICARBONATE

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

### 6.3. Methods and material for containment and cleaning up

Avoid generation and spreading of dust. Shovel into dry containers. Cover and move the containers. Flush the area with water.

### 6.4. Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Avoid spilling, skin and eye contact. Avoid handling which leads to dust formation.

### 7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

### 7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

#### **Ingredient Comments**

No exposure limits noted for ingredient(s).

### 8.2. Exposure controls

#### **Protective Equipment**



#### **Engineering Measures**

Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of dust.

#### **Respiratory Equipment**

No specific recommendation made, but protection against nuisance dust must be used when the general level exceeds 10 mg/m<sup>3</sup>.

#### **Hand Protection**

Use suitable protective gloves if risk of skin contact.

#### **Eye Protection**

Wear approved safety goggles.

#### **Hygiene Measures**

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

|  |                    |
|--|--------------------|
| <b>Appearance</b>                                    | Crystalline powder |
| <b>Colour</b>  | White              |
| <b>Solubility</b>                                    | Soluble in water.  |
| <b>Relative Density</b>                              | 0.98 g/ml          |
| <b>Solubility Value (G/100G H<sub>2</sub>O@20°C)</b> | 9.5                |

### 9.2. Other information

Not determined.

## SODIUM BICARBONATE

### SECTION 10: STABILITY AND REACTIVITY

#### 10.1. Reactivity

There are no known reactivity hazards associated with this product.

#### 10.2. Chemical stability

Stable under normal temperature conditions.

#### 10.3. Possibility of hazardous reactions

Not determined.

#### 10.4. Conditions to avoid

Avoid excessive heat for prolonged periods of time.

#### 10.5. Incompatible materials

##### **Materials To Avoid**

Strong acids.

#### 10.6. Hazardous decomposition products

Oxides of: Carbon.

### SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1. Information on toxicological effects

**Toxic Dose 1 - LD 50**                      4220 mg/kg (oral rat)

##### **Inhalation**

Dust in high concentrations may irritate the respiratory system.

##### **Ingestion.**

May cause discomfort if swallowed.

##### **Skin Contact**

Powder may irritate skin.

##### **Eye Contact**

Particles in the eyes may cause irritation and smarting.

### SECTION 12: ECOLOGICAL INFORMATION

##### **Ecotoxicity:**

Not regarded as dangerous for the environment.

#### 12.1. Toxicity

##### **Acute Fish Toxicity**

Not considered toxic to fish.

**LC 50, 96 Hrs, Fish mg/l**                      8600

#### 12.2. Persistence and degradability

##### **Degradability:**

There are no data on the degradability of this product.

#### 12.3. Bioaccumulative potential

##### **Bioaccumulative Potential:**

No data available on bioaccumulation.

#### 12.4. Mobility in soil

##### **Mobility:**

The product is soluble in water.

#### 12.5. Results of PBT and vPvB assessment

Not Classified as PBT/vPvB by current EU criteria.

#### 12.6. Other adverse effects

Not determined.

## SODIUM BICARBONATE

### SECTION 13: DISPOSAL CONSIDERATIONS

#### General Information

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

#### 13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

### SECTION 14: TRANSPORT INFORMATION

**Road Transport Notes** Not Classified

**Rail Transport Notes** Not classified.

**Sea Transport Notes** Not classified.

**Air Transport Notes** Not classified.

#### 14.1. UN number

No information required.

#### 14.2 UN Proper shipping name

No information required.

#### 14.3 Transport hazard class(es)

No information required.

#### 14.4. Packing group

No information required.

#### 14.5. Environmental hazards

**Environmentally Hazardous Substance/Marine Pollutant**

No.

#### 14.6. Special precautions for user

No information required.

#### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No information required.

### SECTION 15: REGULATORY INFORMATION

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### **Statutory Instruments**

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

##### **Approved Code Of Practice**

Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.

##### **Guidance Notes**

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

##### **EU Legislation**

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

#### 15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

## SODIUM BICARBONATE

## SECTION 16: OTHER INFORMATION

|                                  |                  |
|----------------------------------|------------------|
| <b>Revision Date</b>             | 24.03.2011       |
| <b>Revision</b>                  | 02               |
| <b>SDS No.</b>                   | 20290            |
| <b>Safety Data Sheet Status</b>  | Approved.        |
| <b>Date</b>                      | 08.10.2010       |
| <b>Signature</b>                 | Jitendra Panchal |
| <b>Risk Phrases In Full</b>      |                  |
| NC                               | Not classified.  |
| <b>Hazard Statements In Full</b> |                  |