

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

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

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

Identified uses Detergent Industrial application Chemical

1.3. Details of the supplier of the safety data sheet

Supplier: Univar
Aquarius House
6 Midpoint Business Park
Thornbury
Bradford
BD3 7AY
+44 1274 267300
+44 1274 267306
sds@univareurope.com

1.4. Emergency telephone number

Emergency Contact Number (Office Hours)	+44 1274 267346
+44 1274 267346	
Emergency Contact Number (Outside Office Hours)	+441865 407333
+441865 407333	
Sds No.	20290

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

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

EC No.	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

Product Name	SODIUM BICARBONATE
REACH Registration Number	01-2119457606-32
CAS-No.	144-55-8
EC No.	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/m³.

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

Appearance	Crystalline powder
Colour	White
Solubility	Soluble in water.
Relative Density	0.98 g/ml
Solubility Value (G/100G H₂O@20°C)	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

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