

Safety Data Sheet

In accordance with REACH Regulation EC No.1907/2006

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: Bicarbonate of Soda
CAS number: 144-55-8
EINECS number: 205-633-8
Synonyms: -
INCI name: Sodium Bicarbonate

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

Use of substance/mixture: Agents adsorbing and absorbing gases or liquids, flame retardants, foaming (blowing) agents, food/feedstuff additives, laboratory chemicals, odour agents, pharmaceutical substance, processing aid.
Uses advised against: At this moment we have not identified any uses advised against.

1.3. Details of the supplier of the safety data sheet

Company name: Bath and Body Base Ltd
2A Laurel Way
Bishop Auckland
Co. Durham
DL14 7NF
Tel: 07493 064263
Email: technical@bathandbodybase.com

1.4. Emergency telephone number

Emergency tel: 07493 064263

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008: The product is not classified as dangerous according to Regulation (EC) No. 1272/2008.
Most important adverse effects: Human health: See section 11 for toxicological information.
Physical and chemical hazards: See Section 9/10 for physicochemical information.
Potential environmental effects: See Section 12 for environmental information.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008: The product is not labelled as dangerous according to Regulation (EC) No. 1272/2008.
Additional labelling: Handle in accordance with good industrial hygiene and safety practice.

2.3. Other hazards

Results: For results of PBT and vPvB assessment see Section 12.5.

Section 3: Composition/information on ingredients**3.1. Substances**

Remarks: No dangerous ingredients according to Regulation (EC) No. 1907/2006.

Non-hazardous component: Chemical name: Sodium Hydrogencarbonate
Identification number: CAS-No.: 144-55-8, EC-No.: 205-633-8
REACH-Reg. No.: 01-2119457606-32-xxxx
Amount (%): <=100

Section 4: First aid measures**4.1. Description of first aid measures**

General advice: No special precautions required.

Skin contact: Wash off with soap and water. If skin irritation persists, call a physician.

Eye contact: Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.

Ingestion: Rinse mouth with water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. If symptoms persist, call a physician.

Inhalation: Remove to fresh air. If symptoms persist, call a physician.

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

Symptoms: See Section 11 for more detailed information on health effects and symptoms.

Effects: Health injuries are not known or expected under normal use. See Section 11 for more detailed information on health effects and symptoms.

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

Treatment: Treat symptomatically.

Section 5: Fire-fighting measures**5.1. Extinguishing media**

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media: High volume water jet.

5.2. Special hazards arising from the substance or mixture

Specific hazards during fire-fighting:	Incomplete combustion may form toxic pyrolysis products.
Hazardous combustion products:	Carbon monoxide, Carbon dioxide (CO ₂)

5.3. Advice for fire-fighters

Special protective equipment for fire-fighters:	In the event of fire, wear self-contained breathing apparatus. Choose protective equipment according to size of fire.
Further advice:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Section 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Personal precautions:	Use personal protective equipment. Ensure adequate ventilation. Avoid contact with skin and eyes.
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6.2. Environmental precautions

Environmental precautions:	Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.
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6.3. Methods and material for containment and cleaning up

Methods and materials for containment and cleaning up:	Use mechanical handling equipment. Keep in suitable, closed containers for disposal.
Further information:	Treat recovered material as described in the section "Disposal considerations".

6.4. Reference to other sections

Reference to other sections:	See Section 1 for emergency contact information. See Section 8 for information on personal protective equipment. See Section 13 for waste treatment information.
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Section 7: Handling and storage**7.1. Precautions for safe handling**

Advice on safe handling:	Keep container tightly closed. Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice.
Hygiene measures:	Keep away from food, drink and animal feeding stuffs. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of workday. Take off all contaminated clothing immediately.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers:	Store in original container.
Advice on protection against fire and explosion:	Normal measure for preventive fire protection.

Further information on storage conditions:	Keep tightly closed in a dry and cool place. Avoid moisture. Store away from acids.
Advice on common storage:	Keep away from food, drink and animal feeding stuffs.
Suitable packaging materials:	Paper bags, Polyethylene

7.3. Specific end use(s)

Specific end use(s): No information available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Other occupational exposure limit values:	Additional information: Contains no substances with occupational exposure limit values.
Component:	Derived No Effect Level (DNEL)/Derived Minimal Effect Level (DMEL): no data available.
Sodium Hydrogencarbonate CAS-No. 144-55-8	Predicted No Effect Concentration (PNEC): no data available.

8.2. Exposure controls

Engineering measures:	Refer to protective measures listed in Sections 7 and 8.
PPE - respiratory protection:	Required, if exposure limit is exceeded (e.g. OEL). Respiratory protection complying with EN 141. Half mask with a particle filter P2 (EN 143).
PPE - hand protection:	Protective gloves complying with EN 374. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Protective gloves should be replaced at first signs of wear.
PPE - eye protection:	Safety goggles. Equipment should conform to EN 166.
PPE - skin protection:	Protective work clothing.
Environmental:	Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State:	Crystalline powder
Colour:	White
Odour:	Odourless
Odour threshold:	No data available.
pH:	8.4 (8.4g/l; 25°C) 8.6 (52g/l;25°C)
Melting point/range:	>50°C Decomposes below the melting point.
Boiling point/boiling range:	No data available.
Flashpoint:	Not applicable.
Evaporation rate:	No data available.
Flammability (solid, gas):	No data available.

Upper explosion limit:	Not applicable.
Lower explosion limit:	Not applicable.
Vapour pressure:	No data available.
Relative vapour density:	No data available.
Relative density:	2.2 (20°C)
Density:	2.21 - 2.23g/cm ³ (20°C)
Water solubility:	69g/l (0°C) 93g/l (20°C) 165g/l (60°C)
Partition coefficient: n-octanol/water:	No data available.
Auto-ignition temperature:	No data available.
Thermal decomposition:	>50°C
Viscosity, dynamic:	No data available.
Explosivity:	No data available.
Oxidizing properties:	Not oxidising.

9.2. Other information

Bulk density: 500 - 1,300kg/m³

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: No decomposition if stored and applied as directed.

10.2. Chemical stability

Chemical stability: Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: No information available.

10.4. Conditions to avoid

Conditions to avoid: Avoid moisture.

Thermal decomposition: >50°C

10.5. Incompatible materials

Materials to avoid: Acids, Alkali metals.

10.6. Hazardous decomposition product

Haz. decomp. products: No information available.

Section 11: Toxicological information**11.1. Information on toxicological effects****Data for the product:****Irritation****Skin**

Result: Prolonged skin contact may cause skin irritation.

Component:**Sodium Hydrogencarbonate****CAS-No. 144-55-8****Acute toxicity****Oral**

LD50: >4,000mg/kg (rat)

Inhalation

LC50: >4.74mg/l (rat)

Dermal

Study scientifically not justified.

Irritation**Skin**

Result: No skin irritation (rabbit).

Eyes

Result: No skin irritation (rabbit).

Sensitisation

Result: Study scientifically not justified.

CMR effects**CMR properties**

Carcinogenicity: Animal testing did not show any carcinogenic effects.

Mutagenicity: Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Teratogenicity: Animal testing did not show any effects on foetal development.

Reproductive toxicity: Animal testing did not show any effects on fertility.

Specific Target Organ Toxicity**Single exposure**

Remarks: The substance or mixture is not classified as specific target organ toxicant, single exposure.

Repeated exposure

Remarks: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Other toxic properties**Aspiration hazard**

No aspiration toxicity classification.

Section 12: Ecological information**12.1. Toxicity****Component:****Sodium Hydrogencarbonate****CAS-No. 144-55-8****Acute toxicity****Fish**

NOEC: 5,200mg/l (Lepomis macrochirus (Bluegill sunfish); 96h)

NOEC: 2,300mg/l (Oncorhynchus mykiss (rainbow trout); 96h)

Toxicity to daphnia and other aquatic invertebrates

EC50: 4,100mg/l (Daphnia magna (water flea); 48h)

Algae

Study scientifically unjustified.

Bacteria
Study scientifically unjustified.

Chronic toxicity
Aquatic invertebrates
NOEC: >576mg/l (Daphnia magna (water flea); 21d)

12.2. Persistence and degradability

Component:
Sodium Hydrogencarbonate
CAS-No. 144-55-8

Persistence and degradability

Persistence
Result: decomposition by hydrolysis.

Biodegradability
Result: The methods for determining the biological degradability are not applicable to inorganic substances.

12.3. Bioaccumulative potential

Component:
Sodium Hydrogencarbonate
CAS-No. 144-55-8

Bioaccumulation

Result: Not expected to be bioaccumulative.

12.4. Mobility in soil

Component:
Sodium Hydrogencarbonate
CAS-No. 144-55-8

Mobility

Soil: Highly mobile in soils.

12.5. Results of PBT and vPvB assessment

Component:
Sodium Hydrogencarbonate
CAS-No. 144-55-8

Results of PBT and vPvB assessment

Result: The PBT or vPvB criteria of Annex XIII to the REACH Regulation does not apply to inorganic substances.

12.6. Other adverse effects

Data for the product:

Additional ecological information

Result: Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

Section 13: Disposal considerations

13.1. Waste treatment methods

Product: Disposal together with normal waste is not allowed. Special disposal required according to local regulations. Do not let product enter drains. Contact waste disposal services.

Contaminated packaging: Empty contaminated packaging's thoroughly. They can be recycled after thorough and proper cleaning. If recycling is not practicable, dispose of in compliance with local regulations.

European Waste Catalogue Number: No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

Section 14: Transport information

Transport information:	Not dangerous goods for ADR, RID, IMDG and IATA.
UN number or ID number:	Not applicable.
UN proper shipping name:	Not applicable.
Transport hazard class(es):	Not applicable.
Packaging group:	Not applicable.
Environmental hazards:	Not applicable.
Special precautions for user:	Not applicable.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:	IMDG: Not applicable.

Section 15: Regulatory information
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Component: Sodium Hydrogencarbonate CAS-No. 144-55-8	EU. Regulation EU No. 649/2012 concerning the export and import of dangerous chemicals: The substance/mixture does not fall under this legislation.
	EU. REACH, Annex XVII, Marketing and Use Restrictions (Regulation 1907/2006/EC): The substance/mixture does not fall under this legislation.
	EU. Regulation No 1451/2007 [Biocides], Annex I, OJ (L 325): EC Number: 205-633-8; Listed.
	EU. Directive 2012/18/EU (SEVESO III) Annex I: The substance/mixture does not fall under this legislation.

Notification status
Sodium Hydrogencarbonate:

Regulatory List	Notification	Notification number
AICS	YES	
DSL	YES	
EINECS	YES	205-633-8
ENCS (JP)	YES	(1)-164
IECSC	YES	
INSQ	YES	
ISHL (JP)	YES	(1)-164
KECI (KR)	YES	KE-31360
NZIOC	YES	
PHARM (JP)	YES	
PICCS (PH)	YES	
TSCA	YES	

15.2. Chemical Safety Assessment

Chemical safety assessment: No data available.

Section 16: Other information**16.1. Other information**

Other information: * Indicates text in the SDS which has changed since the last revision.

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Information contained herein is believed to be true and accurate however, all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.

Compliance with all appropriate local regulations remains the responsibility of the user.

This safety sheet cannot cover all possible situations which the user may experience during processing.

Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary.

All health and safety information contained in this document should be provided to your employees or customers.