

# The Soap Kitchen

*SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006*

## **Sodium bicarbonate, refined (BP/EP/USP/FFQ)**

Version 2.0

Print Date 2011/05/13

Revision Date 2011/05/13

**MSDS code: MSBC010**

### **1. Identification of the substance/mixture and of the company/undertaking**

#### **1.1. Product identifier**

Trade name : Sodium bicarbonate, refined (BP/EP/USP/FFQ)  
Substance name : Sodium hydrogencarbonate  
CAS-No. : 144-55-8  
EC-No. : 205-633-8

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

Use of the Substance/Mixture : At this time we do not yet have information on identified uses. They will be included in this safety data sheet when available.  
Recommended restrictions on use : At that time we do not yet have information on use restrictions. They will be included in this safety data sheet when available.

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

Company : The Soap Kitchen  
Unit 2 D&E Hatchmoor Industrial Estate  
Torrington,  
Devon. EX38 7HP  
Tel:01805 622944 email:info@thesoapkitchen.co.uk

### **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.

##### **Classification according to EU Directives 67/548/EEC or 1999/45/EC**

This substance is not classified as dangerous according to Directive 67/548/EEC.

##### **Most important adverse effects**

Human Health : See section 11 for toxicological information.

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Physical and chemical hazards : See section 9 for physicochemical information.  
See section 12 for environmental information.

Potential environmental effects : See section 12 for environmental information.  
No further information available.

**2.2. Label elements**

**Labelling according to Regulation (EC) No 1272/2008**

The product is not labeled 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**

Exempt

**3. Composition/information on ingredients**

**3.1. Substances**

Hazardous components	Amount [%]	Classification (REGULATION (EC) No 1272/2008)		Classification (67/548/EEC)
		Hazard class / Hazard category	Hazard statements	
<b>Sodium hydrogencarbonate</b>				
CAS-No. : 144-55-8		---	---	---
EC-No. : 205-633-8	<= 100			
C&L-No. : 02-2119752794-27-0000				

**4. First aid measures**

**4.1. Description of first aid measures**

General advice : No special precautions required.

If inhaled : Move to fresh air.

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- In case of skin contact : Wash off with plenty of water.
- In case of eye contact : Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.
- If swallowed : Clean mouth with water and drink afterwards plenty of water. If symptoms persist, call a physician.

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

- Symptoms : No further information available.
- Effects : No further information available.

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

- Treatment : Treat symptomatically.  
No further information available.

**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 : No information available.

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

- Specific hazards during fire fighting : The product itself does not burn.

**5.3. Advice for firefighters**

- Special protective equipment for fire-fighters : No special precautions required.
- Further information : No further information available.

**6. Accidental release measures**

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

- Personal precautions : Avoid dust formation. Avoid contact with eyes.

**6.2. Environmental precautions**

- Environmental : Do not flush into surface water or sanitary sewer system. If the

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precautions product contaminates rivers and lakes or drains inform respective authorities.

**6.3. Methods and materials for containment and cleaning up**

Methods and materials for containment and cleaning up : Use mechanical handling equipment. This material and its container must be disposed of as hazardous waste.

**6.4. Reference to other sections**

For personal protection see section 8.

**7. Handling and storage**

**7.1. Precautions for safe handling**

Advice on safe handling : Handle in accordance with good industrial hygiene and safety practice. Avoid contact with the skin and the eyes. Avoid dust formation. Provide sufficient air exchange and/or exhaust in work rooms.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

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

Requirements for storage areas and containers : No special storage conditions required.

Advice on protection against fire and explosion : No special precautions required. The product is not flammable.

Further information on storage conditions : Keep tightly closed in a dry and cool place. Product is hygroscopic. Avoid moisture. Protect against water.

Advice on common storage : Do not store near acids.

German storage class : 13/11 Non combustible solids; Packaging possibly combustible

**7.3. Specific end uses**

Specific use(s) : No information available.

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**8. Exposure controls/personal protection**

**8.1. Control parameters**

**Other OELs**

(Additional) : Contains no substances with occupational exposure limit values.  
Information

**8.2. Exposure controls**

**Engineering measures**

Refer to protective measures listed in sections 7 and 8.

**Personal protective equipment**

*Respiratory protection*

Advice : Dust-mask

*Hand protection*

Advice : Wear suitable gloves.  
The glove material has to be impermeable and resistant to the product / the substance / the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.  
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

*Eye protection*

Advice : Safety glasses

*Skin and body protection*

Advice : Protective suit

**Environmental exposure controls**

General advice : Do not flush into surface water or sanitary sewer system.  
If the product contaminates rivers and lakes or drains inform

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respective authorities.

**9. Physical and chemical properties**

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

Form	:	solid
Colour	:	white
Odour	:	odourless
Odour Threshold	:	Currently we do not have any Information from our supplier about this.
pH	:	8.1 - 8.4 (50 g/l; 20 °C)
Melting point/range	:	no data available
Boiling point/boiling range	:	no data available
Flash point	:	not applicable
Evaporation rate	:	Currently we do not have any Information from our supplier about this.
Flammability (solid, gas)	:	Currently we do not have any Information from our supplier about this.
Upper explosion limit	:	Currently we do not have any Information from our supplier about this.
Lower explosion limit	:	Currently we do not have any Information from our supplier about this.
Vapour pressure	:	Currently we do not have any Information from our supplier about this.
Relative vapour density	:	Currently we do not have any Information from our supplier about this.
Density	:	2.2 g/cm <sup>3</sup> (20 °C)
Water solubility	:	95 g/l (20 °C)
Partition coefficient: n-octanol/water	:	Currently we do not have any Information from our

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	supplier about this.
Ignition temperature	: Currently we do not have any Information from our supplier about this.
Thermal decomposition	: Currently we do not have any Information from our supplier about this.
Viscosity, dynamic	: Currently we do not have any Information from our supplier about this.
Explosivity	: Product is not explosive.
Oxidizing properties	: Currently we do not have any Information from our supplier about this.

**9.2. Other information**

Bulk density : 700 - 1,150 kg/m<sup>3</sup>

**10. Stability and reactivity**

**10.1. Reactivity**

Advice : No information available.

**10.2. Chemical stability**

Advice : No decomposition if stored and applied as directed.  
No further information available.

**10.3. Possibility of hazardous reactions**

Hazardous reactions : Incompatible with acids.

**10.4. Conditions to avoid**

Conditions to avoid : Strong sunlight for prolonged periods. Protect from humidity and keep away from water. Keep away from heat and sources of ignition.

**10.5. Incompatible materials**

Materials to avoid : Metals, Acids

**10.6. Hazardous decomposition products**

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Hazardous decomposition : Carbon dioxide (CO<sub>2</sub>)  
products

**11. Toxicological information**

**11.1. Information on toxicological effects**

**Acute toxicity**

**Oral**

LD50 : 4220 mg/kg (rat)

**Irritation**

**Skin**

Result : No skin irritation

**Eyes**

Result : Dust in the eyes may cause mechanical irritation.

**Sensitisation**

Result : not sensitizing

**12. Ecological information**

**12.1. Toxicity**

**Acute toxicity**

**Fish**

LC50 : 7550 mg/l (Gambusia affinis (Mosquito fish); 96 h)

**Toxicity to daphnia and other aquatic invertebrates.**

EC50 : 2350 mg/l (Daphnia magna (Water flea); 48 h)

**12.2. Persistence and degradability**

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**12.3. Bioaccumulative potential**

**12.4. Mobility in soil**

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

**12.6. Other adverse effects**

**Additional ecological information**

Result : Do not flush into surface water or sanitary sewer system.  
Does not cause biological oxygen deficit.

**13. Disposal considerations**

**13.1. Waste treatment methods**

Product : Disposal together with normal waste is not allowed. Do not let product enter drains. Dispose of in accordance with local regulations.

Contaminated packaging : In accordance with local and national regulations. Dispose of as unused product.

: Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning. Clean container with water.

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.

**14. Transport information**

Not dangerous goods for ADR, RID and IMDG.

**14.1. UN number**

Not applicable.

**14.2. UN proper shipping name**

Not applicable.

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**14.3. Transport hazard class(es)**

Not applicable.

**14.4. Packaging group**

Not applicable.

**14.5. Environmental hazards**

Not applicable.

**14.6. Special precautions for user**

Not applicable.

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

IMDG : Not applicable.

**Further information for transport**

Not dangerous goods in the meaning of ADR/RID, ADNR, IMDG-Code, ICAO/IATA-DGR

**15. Regulatory information**

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

**Notification status**

**Sodium hydrogencarbonate:**

Regulatory List	Notification	Notification number
AICS	YES	
DSL	YES	
INV (CN)	YES	
ENCS (JP)	YES	(1)-164
ISHL (JP)	YES	(1)-164
EINECS	YES	205-633-8
KECI (KR)	YES	KE-31360
TSCA	YES	

**15.2. Chemical Safety Assessment**

Currently we do not have any Information from our supplier about this.

**16. Other information**

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**Full text of R-phrases referred to under sections 2 and 3.  
Further information**

Other information : The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Restricted to professional users. Attention - Avoid exposure - obtain special instructions before use.

|| Indicates updated section.