

**Section 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier****Product name:** SODIUM BICARBONATE**REACH registered number(s):** 01-2119457606-32-XXXX**CAS number:** 144-55-8**EINECS number:** 205-633-8**Synonyms:** SODIUM HYDROGEN CARBONATE

BICARBONATE OF SODA

BAKING SODA

**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of substance / mixture:** pH Adjustment. Food Additive. Cosmetics. Pharmaceutical preparations. Personal care products. Process additive.**1.3. Details of the supplier of the safety data sheet****Company name:** Naissance

Unit 9 Milland Road

Industrial Estate

Neath

Neath Port Talbot

SA11 1NJ

**Tel:** 0800 0430 826**Email:** info@naissance.co.uk**1.4. Emergency telephone number****Section 2: Hazards identification****2.1. Classification of the substance or mixture****Classification under CLP:** This product has no classification under CLP.**2.2. Label elements****Label elements:** This product has no label elements.**2.3. Other hazards****PBT:** This product is not identified as a PBT/vPvB substance.**Section 3: Composition/information on ingredients****3.1. Substances****Chemical identity:** SODIUM BICARBONATE

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CAS number: 144-55-8

EINECS number: 205-633-8

REACH registered number(s): 01-2119457606-32-XXXX

Contains: \* SODIUM BICARBONATE

## Section 4: First aid measures

### 4.1. Description of first aid measures

- Skin contact:** \* Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. If irritation persists, seek medical advice. May cause mild irritation to areas of broken or sensitive skin. There may be mild discomfort and redness.
- Eye contact:** \* Bathe the eye with running water for 15 minutes. Consult a doctor. May cause mild irritation. May cause mechanical irritation to the eyes.
- Ingestion:** \* Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. If irritation develops or persists seek medical attention. May cause mild irritation of the gastrointestinal tract if large quantities are ingested.
- Inhalation:** \* Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious, check for breathing and apply artificial respiration if necessary. Get medical attention if any discomfort continues. May cause irritation of the mucous membranes and respiratory system. May cause shortness of breath, sneezing and coughing.

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

- Skin contact:** May cause mild irritation to areas of broken or sensitive skin. There may be mild discomfort and redness.
- Eye contact:** There may be irritation and redness.
- Ingestion:** May cause mild irritation of the gastrointestinal tract if large quantities are ingested.
- Inhalation:** Potential irritant. Over exposure at high levels may result in mucous membrane irritation of the nose and throat with coughing.
- Delayed / immediate effects:** No symptoms.

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

**Immediate / special treatment:** \* No specific first aid measures noted.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

[cont...]

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

**Exposure hazards:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

## 5.3. Advice for fire-fighters

**Advice for fire-fighters:** \* Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## Section 6: Accidental release measures

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

**Personal precautions:** \* Use personal protective equipment. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Do not create dust.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers.

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

**Clean-up procedures:** Transfer to a closable, labelled salvage container for disposal by an appropriate method. Wash the spillage site with large amounts of water.

### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS. Refer to section 13 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Ensure there is sufficient ventilation of the area. Avoid the formation or spread of dust in the air. Avoid direct contact with the substance.

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

**Storage conditions:** Store in a cool, well ventilated area. Avoid contact with water or humidity. Avoid incompatible materials and conditions - see section 10 of SDS.

**Suitable packaging:** Paper. Plastic container. Poly-lined bags or kegs.

### 7.3. Specific end use(s)

**Specific end use(s):** \* No data available.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Workplace exposure limits:

#### Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	-	-	4 mg/m <sup>3</sup>	-

[cont...]

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## DNEL/PNEC Values

**DNEL / PNEC** No data available.

## 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area. Ensure all engineering measures mentioned in section 7 of SDS are in place.

**Respiratory protection:** Respiratory protective device with particle filter.

**Hand protection:** Protective gloves.

**Eye protection:** Safety goggles. Ensure eye bath is to hand.

**Skin protection:** Protective clothing. Ensure safety shower is to hand.

**Environmental:** No special requirement.

## Section 9: Physical and chemical properties

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

**State:** \* Granules or Powder

**Colour:** White

**Odour:** Barely perceptible odour

**Oxidising:** Non-oxidising (by EC criteria)

**Solubility in water:** Soluble

**Boiling point/range°C:** \*decomp.>50 oC

**pH:** ~ 8.5 (5 % Aqu)

### 9.2. Other information

**Other information:** No data available.

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.  
Decomposition may occur on exposure to conditions or materials listed below.

### 10.4. Conditions to avoid

**Conditions to avoid:** Heat. Moist air. Humidity.

### 10.5. Incompatible materials

**Materials to avoid:** Acids.

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## 10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

#### Toxicity values:

Route	Species	Test	Value	Units
ORAL	RAT	LD50	>4000	mg/kg

#### Excluded hazards for substance:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	-	No hazard: calculated
Acute toxicity (ac. tox. 3)	-	No hazard: calculated
Acute toxicity (ac. tox. 2)	-	No hazard: calculated
Acute toxicity (ac. tox. 1)	-	No hazard: calculated
Skin corrosion/irritation	-	No hazard: calculated
Serious eye damage/irritation	-	No hazard: calculated
Respiratory/skin sensitisation	-	No hazard: calculated
Germ cell mutagenicity	-	No hazard: calculated
Carcinogenicity	-	No hazard: calculated
Reproductive toxicity	-	No hazard: calculated
STOT-single exposure	-	No hazard: calculated
STOT-repeated exposure	-	No hazard: calculated
Aspiration hazard	-	No hazard: calculated

### Symptoms / routes of exposure

**Skin contact:** May cause mild irritation to areas of broken or sensitive skin. There may be mild discomfort and redness.

**Eye contact:** There may be irritation and redness.

**Ingestion:** May cause mild irritation of the gastrointestinal tract if large quantities are ingested.

**Inhalation:** Potential irritant. Over exposure at high levels may result in mucous membrane irritation of the nose and throat with coughing.

**Delayed / immediate effects:** No symptoms.

## Section 12: Ecological information

### 12.1. Toxicity

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## Ecotoxicity values:

Species	Test	Value	Units
BLUEGILL ( <i>Lepomis macrochirus</i> )	96H LC50	7100	mg/l
BLUEGILL ( <i>Lepomis macrochirus</i> )	96H NOEC	5200	mg/l
Daphnia magna	48H EC50	4100	mg/l
Daphnia magna	48H NOEC	3100	mg/l
Daphnia magna	21Day NOEC	>576	mg/l

## 12.2. Persistence and degradability

**Persistence and degradability:** Product will fully dissociate in soil and water.

## 12.3. Bioaccumulative potential

**Bioaccumulative potential:** Low potential to bioaccumulate.

## 12.4. Mobility in soil

**Mobility:** Soluble in water. Non-volatile.

## 12.5. Results of PBT and vPvB assessment

**Persistence (P-):**

**Persistence result:** not P-

**Bioaccumulation (B-):**

**Bioaccumulation result:** not B-

**Toxicity (T-):**

mg/l

**NOEC for marine or freshwater organisms:** >0.1

**Toxicity result:** not T-

**PBT identification:** This product is not identified as a PBT/vPvB substance.

## 12.6. Other adverse effects

**Other adverse effects:** Not expected to cause significant environmental impact. Do not allow to enter watercourses or soils. Spillage in sewers or waterways must be avoided. Large doses causes high/low pH which may affect effluent and sewage treatment processes. Discharge of large quantities may kill fish and other aquatic life due to increase / decrease in pH.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**Disposal of packaging:** Contaminated containers must not be treated as household waste. Where practical, containers and packaging should be recycled by a licenced contractor.

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**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

**Transport class:** This product does not require a classification for transport.

## Section 15: Regulatory information

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

**Specific regulations:** Not applicable.

### 15.2. Chemical Safety Assessment

**Chemical safety assessment:** A chemical safety assessment has been carried out for the substance or the mixture by the supplier.

## Section 16: Other information

### Other information

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

\* indicates text in the SDS which has changed since the last revision.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.