



**SAFETY DATA SHEET**  
POTASSIUM BICARBONATE

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Compilation date: 23/08/2012

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Revision No: 3

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

**1.1. Product identifier**

**Product name:** POTASSIUM BICARBONATE

**REACH registered number(s):** 01-2119532640-48-XXXX

**CAS number:** 298-14-6

**EINECS number:** 206-059-0

**Product code:** GB0146

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

**Use of substance / mixture:** Soluble fertiliser for use in agriculture and horticulture

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

**Company name:** Solufeed Limited  
Highground Orchard  
Highground Lane  
Barnham, Nr Bognor Regis  
Sussex  
PO22 0BT  
United Kingdom  
**Tel:** +44(0)1243 554090  
**Fax:** +44(0)1243 554568  
**Email:** [enquiries@solufeed.com](mailto:enquiries@solufeed.com)

**1.4. Emergency telephone number**

**Emergency tel:** +44(0)1243 554090  
(office hours only)

**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.

[cont...]

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**Section 3: Composition/information on ingredients**

**3.1. Substances**

**Chemical identity:** POTASSIUM BICARBONATE

**CAS number:** 298-14-6

**EINECS number:** 206-059-0

**REACH registered number(s):** 01-2119532640-48-XXXX

**Section 4: First aid measures**

**4.1. Description of first aid measures**

**Skin contact:** Remove contaminated clothing Wash immediately with plenty of soap and water. Seek medical attention if irritation or symptoms persist

**Eye contact:** Check for and remove any contact lenses. Promptly wash eye with plenty of water while lifting the eye lids Bathe the eye with running water for 15 minutes. Seek medical attention if any irritation or redness persists.

**Ingestion:** Do not induce vomiting. Wash out mouth with water. Drink plenty of water. Get Medical attention if any discomfort continues.

**Inhalation:** Move the exposed person to fresh air. Consult a doctor.

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

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** Particles in the eyes may cause irritation and smarting

**Ingestion:** There may be irritation of the throat.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

**Delayed / immediate effects:** Possible systemic effects.

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

**Immediate / special treatment:** Not applicable.

**Section 5: Fire-fighting measures**

**5.1. Extinguishing media**

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used.

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

**Exposure hazards:** Vapours may be harmful.

**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. Avoid rejection of extinguishing water in the environment.

**Section 6: Accidental release measures**

[cont...]

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

**Personal precautions:** Refer to section 8 of SDS for personal protection details.

**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:** 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**

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

**Section 7: Handling and storage**

**7.1. Precautions for safe handling**

**Handling requirements:** Avoid the formation or spread of dust in the air.

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

**Storage conditions:** Store in a cool, well ventilated area.

**Suitable packaging:** Must only be kept in original packaging.

**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:** No data available.

**DNEL/PNEC Values**

**DNEL / PNEC** No data available.

**8.2. Exposure controls**

**Engineering measures:** Ensure there is sufficient ventilation of the area. Do not smoke, eat or drink in the working place

**Respiratory protection:** Respiratory protective device with particle filter. Dust respirator required if respirable dust is formed

**Hand protection:** Chemical resistant protective gloves (EN 374) Wash hands before and at the end of work.

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

**Skin protection:** Protective clothing. Wearing of closed work clothing is recommended.

**Section 9: Physical and chemical properties**

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**Toxicity values:**

| Route  | Species | Test | Value | Units |
|--------|---------|------|-------|-------|
| DERMAL | RBT     | LD50 | >2000 | mg/kg |
| ORAL   | RAT     | LD50 | >2000 | mg/kg |

**Symptoms / routes of exposure**

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** Particles in the eyes may cause irritation and smarting

**Ingestion:** There may be irritation of the throat.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

**Delayed / immediate effects:** Possible systemic effects.

**Other information:** The product has not been tested. The statements on toxicology have been derived from the properties of the individual components or from products of a similar structure and composition.

**Section 12: Ecological information**

**12.1. Toxicity**

**Ecotoxicity values:**

| Species       | Test     | Value | Units |
|---------------|----------|-------|-------|
| FISH          | 96H LC50 | 1300  | mg/l  |
| Daphnia magna | 48H EC50 | 650   | mg/l  |

**12.2. Persistence and degradability**

**Persistence and degradability:** Not applicable.

**12.3. Bioaccumulative potential**

**Bioaccumulative potential:** No data available.

**12.4. Mobility in soil**

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

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

**12.6. Other adverse effects**

**Other adverse effects:** Negligible ecotoxicity.

**Section 13: Disposal considerations**

**13.1. Waste treatment methods**

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

**Waste code number:** 06 03 14

**Disposal of packaging:** Observe all local regulations. Packs that cannot be cleaned should be disposed of in the same manner as the contents.

[cont...]

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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**

**15.2. Chemical Safety Assessment**

**Section 16: Other information**

**Other information**

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

\* 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.