

MATERIAL SAFETY DATA SHEET

December 2002

Revision date 12

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product Information

Trade name : **AgriKarb[®]**

Company : FarmFos Limited
Builth Farm
Eau Withington
HEREFORD
HR1 3NQ

Telephone : +44 (0) 1432 851822
Fax : +44 (0) 1432 851829
Emergency contacts : as above

2. COMPOSITION / INFORMATION ON INGREDIENTS

Information on ingredients / Hazardous components

• **POTASSIUM HYDROGEN CARBONATE** **CAS-No:** **298-14-6**
EC-No: **206-059-0**

Synonyms **potassium bicarbonate**; potassium acid carbonate

3. HAZARDS IDENTIFICATION

No specific hazards are known.

4. FIRST AID MEASURES

General advice Take off all contaminated clothing immediately.
Skin contact Wash off with plenty of water.
Eye contact Rinse with plenty of water immediately,
seek medical advice if necessary.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media The product is not combustible.
In case of fire in the surroundings: water spray, foam, CO₂,
dry powder.

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up Use mechanical handling equipment.
After cleaning, flush away traces with water.

7. HANDLING AND STORAGE

Safe handling advice Avoid dust formation.

Protection against fire and explosion
Storage
place.

No special precautions required.
Keep container tightly closed in a dry and well-ventilated

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with workplace control parameters

Personal protective equipment

Respiratory protection

In case of dusts/vapours/aerosols being formed or if the limit values like TLV are exceeded: use respiratory equipment with suitable filter or wear a self contained respiratory apparatus

Hand protection

Recommendation

Use suitable protective gloves

Glove material

butyl-rubber, PVC, Natural rubber (NR), Polychloroprene with natural-latex liner.

Material thickness

0.5 mm

Break through time

> 480 min

Method

DIN EN 374

Glove material

nitrile rubber, fluorinated rubber

Material thickness

0.35 - 0.4 mm

Break through time

> 480 min

Method

Source: KCL GmbH

Eye protection

Safety glasses

Hygiene measures

Do not wear contaminated clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form

crystals, powder

Colour

white

Odour

odourless

Safety data

pH

8.4 - 8.6 (99 g/l) (20 °C)

Melting point / range

127 °C; decomposition

Flash point

not applicable

Ignition temperature

not applicable

Density

2.17 g/cm³ (20 °C)

Bulk density

1,000 - 1,100 kg/m³

Water solubility

333 g/l (20 °C)

10. STABILITY AND REACTIVITY

Thermal decomposition

approx. 127 °C

Hazardous reactions

Reacts with acids; evolution of carbon dioxide.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	LD50 rat: > 2,000 mg/kg
Skin irritation	not irritating
Eye irritation	not irritating
Further information	own study

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

Biodegradability	This cannot be determined for physico-chemical reasons.
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Behaviour in environmental compartments

Ecotoxicity effects

Further information on ecology	no data available
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13. DISPOSAL CONSIDERATIONS

Product landfill site.	With respect to local regulations, e.g. deposit in a suitable A waste code in accordance with the European Waste Catalogue (EWC) may not be assigned to this product since it admits of a classification only when the consumer uses it for some purpose. In agreement with the waste code must be determined regional waste disposal authority or company.
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14. TRANSPORT INFORMATION

Transport/further information regulations.	Not classified as dangerous for purpose of transport
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15. REGULATORY INFORMATION

Labelling according to EEC Directive 67/548/EEC.	Not subject to labelling provisions by Directive
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National legislation

16. OTHER INFORMATION

Risk phrase (R phrase) texts

Further information

This version replaces all previous versions.

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