

SAFETY DATA SHEET

cropkare

1. Identification of the substance/preparation and of the company/undertaking

Product Name : **cropkare**
Intended use : Fertiliser
Supplier : Willett & Son (Bristol) Ltd
Phoenix House
51 Queen Square
Bristol
BS1 4LJ
T: 0117 9262 231
F: 0117 9262 235

2. Composition/information on ingredients

Substance/preparation Substance

Within the present knowledge of the supplier, this product does not contain any hazardous ingredients in quantities requiring reporting in this section, in accordance with EU regulations or National regulations.

3. Hazards identification

Harmful by inhalation of the very fine dust.

Harmful by contact with eyes and skin due to high alkalinity which in the presence of water may cause burns.

4. First aid measures

Inhalation : Avoid breathing dust. If inhaled, remove to fresh air. Irrigate nose and throat with water for 20 minutes. If symptoms persist please seek medical advice.

Ingestion : If large quantities of this material are swallowed, seek medical advice immediately. Do NOT induce vomiting unless directed to do so by a medical personnel. Never give anything by mouth to an unconscious person.

Skin contact : Avoid prolonged or repeated contact with skin. After handling, always wash hands thoroughly with soap and water. Get medical attention if irritation develops.

Eye contact : In case of contact with eyes, rinse immediately with a copious amount of water. Get medical attention if irritation occurs.

5. Fire fighting measures

Not applicable material is not combustible

6. Accidental release measures

| | |
|--|---|
| Personal precautions | Use suitable protective equipment (Section 8) |
| Environmental Precautions and clean up methods | Minimize area of spilled material to prevent contamination of drains and watercourses. Use a tool to scoop up the solid material and place into a bag. This can be spread onto suitable crops or returned to storage. |

7. Handling and storage

| | |
|----------|---|
| Handling | Avoid creating dust when handling. Wear eye protection, dust respirator, disposable boiler suit and gloves. Do not breathe in or ingest the dust. |
| Storage | Store under cover in a well ventilated cool dry area. Avoid contact with ammonium salts (see Section 9 for more details) |

8. Exposure controls/personal protection

| | |
|------------------------------|---|
| Occupational Exposure Limits | Total inhalable dust - 10mg/m ³ Respirable dust - 4 mg/m ³ Calcium Hydroxide - 5 mg/m ³ |
| Respiratory Protection | Use a properly fitted, particulate filter respirator, capable of filtering particles of 0.3 microns. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. |
| Hand Protection | Chemical resistant, impervious gloves or gauntlets complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. |
| Eye Protection | Wear goggles as dust concentration maybe high, safety glasses are inadequate. |
| Skin Protection | Use a launderable or disposable boiler suit and gloves. Cuffs should prevent skin contamination. |

9. Physical and chemical properties

| | |
|----------------|--|
| Appearance | |
| Physical state | Fine powder |
| Colour | Grey |
| Odour | Possible slight odour |
| pH | 6 to 8 (Conc. (%w/w):10) [Neutral] |
| Density | 1000-1300 kg/m ³ |
| Solubility | Partially soluble in water to produce an alkaline solution |

10. Stability and reactivity

| | |
|-------------------------|---|
| Stability | Material is stable |
| Hazardous Decomposition | It is alkaline in nature and reacts with strong acids and can attack aluminium, lead and brass if exposed to moisture. It reacts with ammonium salts such as ammonium nitrate and ammonium sulphate to release ammonia. |

11. Toxicological information

Potential acute health effects

Adverse health effects are considered unlikely, when the product is used according to directions.

Acute toxicity

| Ingredient name | Test | Result | Route | Species |
|------------------------|-------------|---------------|--------------|----------------|
| Substance | LD50 | >2000 mg/kg | Oral | Rat |

Over-exposure signs/symptoms

Target Organs

Contains material which causes damage to the following organs:
skin, eye, lens or cornea, respiratory and gastrointestinal tract.

12. Ecological information

If used at the recommended rates the material should not cause ecological damage. Any phosphates present in the citrate soluble form are translocated in the soil over small distances and then immobilised. The water-soluble potassium ion is adsorbed by clay minerals or if these are absent the potassium may be leached.

13. Disposal considerations

Dispose of in accordance with all applicable local and national regulations. Wear eye protection, dust respirator, disposable boiler suit and gloves. Do not breathe in or ingest the dust.

14. Transport information

Not regulated.

15. Regulatory information

Classification and symbols:

| | | |
|---------------------------|-----------|---|
| Risk phrases | R20/21 | Harmful by inhalation and contact with skin |
| | R36/37/38 | Irritating to eyes, respiratory system and skin |
| | R42/43 | May cause sensitisation by inhalation and contact |
| Safety phrases | S22 | Do not breathe dust |
| | S24 | Avoid contact with skin |
| | S25 | Avoid contact with eyes |
| | S36/37/39 | Wear suitable protective clothing, gloves & eye protection. |
| | S38 | Wear a dust respirator |
| Classification for supply | Irritant | |

16. Other information

The material should be used in accordance with RB209 and with DEFRA Codes of Good Agricultural Practice.

To the best of our knowledge, the information contained herein is accurate. However, the above named supplier does not assume any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.