

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.