

1. PRODUCT AND COMPANY INFORMATION

Product Name: SOFTphos+C

Recommended use of the Material: Soil Fertiliser

Supplier's details:

Company: SOFT Agriculture Pty Ltd

Contact Person: Stuart Larsson

Address: 7696 Bruxner Highway, Mallangane, NSW, Australia, 2469

Telephone Number: 02 66645145

Internet Web Site: www.softagriculture.com.au

Emergency phone number: **000** for Medical or Fire; **131126** for poisons information service.

2. HAZARDS IDENTIFICATION

Not classified as hazardous according to the criteria of NOHSC.

Hazard Classification: Not a hazardous substance, not dangerous goods.

Risk Phrases: Not Applicable.

Safety Phrases: DUST MASKS.

Product has an active biological ecology typical of a mature compost media. May cause allergic reactions in people who are sensitive to organic and mineral dusts or who have sensitive skins. Because the product may contain some fine powdered material, precautions against inhalation of dust are necessary.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Product Description:

SOFTphos+C is presented as a mixture of coarse and fine-grade fertiliser or pelletised fine-grade blends prepared by the blending of apatite, mineral fertilisers, composted organic matter, biochar and select strain of micro-organisms. Texture will vary according to product from fine grained (<2mm) loamy sand texture mixed with coarse textured (>2 to 12mm) compost, biochar and mineral fertilisers. Pellets are 4mm width and up to 20mm length; Granules are (<4mm) irregular spheres. Colour is a light yellow to tan brown with a silver fleck mottled with black, yellow and white particles.

Chemical Identity CAS Concentration Range

Apatite, Not > 80%

Trace Elements Not > 5%

Minerals (Sulphur) Not > 20%

Organic Matter (Compost, Biochar, Potash) Not > 50%

4. FIRST AID MEASURES

If poisoning occurs, contact the Poisons Information Centre (Phone 131126).

Obtain first aid and medical attention if irritation of any type occurs.

Eye irritation must be treated by flushing eyes with running water for at least 15 minutes.

Skin irritation must be treated by washing contaminated area with soap and water.

Seek medical advice for inhaled or swallowed.

5. FIRE FIGHTING MEASURES

This product is non-flammable.

Suitable Extinguishing Media:

Fire extinguishers: -- Carbon dioxide, dry chemical, foam, water fog, powder.

Water may be used to extinguish all components of this media.

Specific Hazards:

Stand clear of dusts that are released from media.

Fire fighting advice:

Contact Fire Department.

Operate fire extinguishers in accordance with manufacturers' instructions.

Hazchem Code: Not Hazardous.

6. ACCIDENTAL RELEASE MEASURES

Spilled material may be handled with loaders or hand held implements.

Contaminated material may be disposed at an authorised waste management facility.

Uncontaminated - low volume spillages may be applied at the recommended application rate to a suitably vegetated land area away from drainage zones or watercourses.

7. HANDLING AND STORAGE

Precautions for Safe Handling:

Handle a safe distance from dwellings, pedestrians, traffic, produce, food and livestock.

Avoid application during periods of extreme weather such as flooding rain and windy events.

Operators must wear Personal Protective Equipment as noted in section 8 of this Material Safety Data Sheet.

Precautions for Safe Storage:

Cover bulk loads with a tarpaulin or suitable waterproof cover.

Store FIBC bulk bags in a dry area.

Avoid exposing bags to prolonged periods in direct sunlight.

Do not store bulk loads or FIBC bulk bags adjacent or in drainage zones or watercourses.

Store material away from foodstuff.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure Standards:

No exposure standards set.

Biological Limit Values:

May contain living biological microorganisms.

Engineering Controls:

Adequate ventilation required.

Personal Protective Equipment

Always wear approved eye protection and a dust mask when handling this material.

Overalls, gloves and covered footwear are recommended when loading, mixing or applying this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Texture will vary according to products below: Colour of material is a light yellow to tan brown with a silver fleck mottled with black, yellow and white particles.

Bulk, belt spread material is a dense fine grade (<2mm) loamy sand texture mixed with coarse textured (>2 to 12mm) compost, biochar and mineral fertilisers.

Pellets are 4mm width and up to 20mm length.

Granules are (<4mm) irregular spheres.

Moisture Content: Bulk <25%; Pellet <5%.

Density: 1.5 g/cm³ (uncompacted).

Solubility in Water: Product is a mixture of mineral and organic substances. Some of the mineral is soluble in water, the majority of the minerals are not. The organic matter is not soluble in water.

10. STABILITY AND REACTIVITY

Chemical Stability: Stable.

Conditions to avoid: Not to be applied in drains and watercourses.

Incompatible materials: None known.

Hazardous decomposition products: None known.

Hazardous reactions: None known.

11. TOXICOLOGICAL INFORMATION

Toxicological Data:

No toxicological data is available. There are no substances of toxicological significance contained in this product.

12. ECOLOGICAL INFORMATION

Ecotoxicity:

This product is not toxic.

This product may be harmful in aquatic or marine environments.

13. DISPOSAL CONSIDERATIONS

This product may be disposed at an authorised waste management facility.

Appropriate volumes may be applied onto a suitably vegetated land area away from drainage zones or watercourses. Contact SOFT Agriculture for directions of use for a suitable application rate.

14. TRANSPORT INFORMATION

Transport product in a vehicle that will sufficiently contain a free flowing product.

No special transport conditions are required as this product is not classified a Dangerous Good under the Australian Code for the Transport of Dangerous Goods (A.D.G.).

15. REGULATORY INFORMATION

The materials in this product are registered by the Australian Pesticides and Veterinary Medicines Authority (APVMA) and complies with all the requirements of the legislation administered by that authority.

16. OTHER INFORMATION

This MSDS is an overview at the date of issue about the chemical, physical and biological properties of this product, safety hazards of the material and general guidance on how to safely handle the material in the occupational and natural environment. As SOFT Agriculture Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, attain application instructions from SOFT Agriculture or seek professional agronomic advice, acknowledge the duty of care that is required when attaining fertiliser products or complete nationally accredited training on how to best prevent, manage and control the potential risks arising from the use of this material before purchasing this product.

When further technical information is required about the information in this Material Safety Data Sheet, please contact SOFT Agriculture Pty Ltd.