

MATERIAL SAFETY DATA SHEET: GREEN CHICKEN FEED ADDITIVE

1. PRODUCT AND COMPANY

Product Name: GREEN CHICKEN FEED ADDITIVE

Recommended use of the Material: Feed Additive

Supplier's details:

Company: SOFT Agriculture Pty Ltd

Contact Person: Stuart Larsson

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

Telephone Number: 02 66645145

Facsimile Number: 0266645222

Internet Web Site: www.softagriculture.com.au

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

2. HAZARDS IDENTIFICATION

Dry product is classified as a Dangerous Good according to the criteria of NOHSC.

Hazard Classification: Class 4 Dangerous Good

Risk Phrases: Not Applicable

Safety Phrases:

INHALATION: Product may cause respiratory irritations if allowed to dry and dust is inhaled from the dry product. Because the product may contain some fine powdered material, precautions against inhalation of dust are necessary.

INGESTION: None Known.

EYE CONTACT: Product may cause eye irritations if allowed to dry and dust is airborne from the dry product. Because the product may contain some fine powdered material, precautions to prevent the airborne dust entering the eyes are necessary.

SKIN CONTACT: Allergic reactions may occur in people who are sensitive to organic and mineral dusts or who have sensitive skins. A black powder can be deposited on skin if light contact is made with product.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Product Description:

GREEN CHICKEN FEED ADDITIVE is a moist, black organic charcoal with a plate-like structure. Size of particles range from a fine grained granule of <250um to a coarse >2mm. **GREEN CHICKEN FEED ADDITIVE** is produced from untreated woodchip which is processed into a Biochar through a Modern Slow Pyrolysis production process (activated char).

Chemical Identity CAS Concentration Range: Carbonised Wood Chip (Untreated: unpainted) > 85% Carbonised Wood Chip Ash (Soluble) < 10% Water < 9%

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 if inhaled or swallowed.

5. FIRE FIGHTING MEASURES

This product may be flammable if allowed to dry. Some organic matter particles may smoulder and emit smoke.

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 smoke or dusts that are released from smouldering media. This may emit Carbon Monoxide and/or Carbon dioxide gas.

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.

Untampered - 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.

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 10kg bags in a dry area.
Avoid exposing bags to prolonged periods in direct sunlight.
Do not store bulk loads or bags adjacent or in drainage zones or watercourses.
Store material away from foodstuff.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure Standards:

May contain Silica. Avoid exposure to non-target areas.

Biological Limit Values:

No biological exposure standards set

Engineering Controls:

Avoid confined and non-ventilated spaces. 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: GREEN CHICKEN FEED ADDITIVE is a moist, black organic, charcoal chip with a plate-like structure. Size of particles range from a fine grained granule of <250um to a coarse > 2mm irregular plate-like chip.

Moisture Content: Less than 21%

Bulk Density: .6 g/cm³ (uncompacted)

Solubility in Water: Product is a mixture of coarse and fine organic substances. Some of the fine material is soluble in water, the majority of this material is not soluble. **pH:** 8 to 8.5

Melting Point: 3500°C

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal environmental conditions

Conditions to avoid: None Known.

Incompatible materials: Chlorine; Acids; Ozone; Liquid oxygen

Hazardous decomposition products: Chlorine; Acids; Ozone; Liquid oxygen.

Hazardous reactions: Avoid exposure to acids.

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.

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.

14. TRANSPORT INFORMATION

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

Special transport conditions are required as this product is classified a Dangerous Good under the Australian Code for the Transport of Dangerous Goods (A.D.G.).

Always cover loads to prevent free ventilation flowing across this product.

Always wear suitable personal protective equipment (as noted in Section 8) when unloading or tipping free flowing material and away from all pedestrians, animals, operators or anyone who may be directly or indirectly exposed to dusts that may become airborne from the handling of this material.

15. REGULATORY INFORMATION

This product is registered by Australian Certified Organics (ACO) 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 Mara Seeds 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 Mara Seeds 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 Mara Seeds Pty Ltd.

Disclaimer

This information contained herein is accurate to the best of our knowledge. We do not suggest or guarantee that any hazards listed herein are the only ones which exist. Mara Seeds makes no warranty of any kind, expressed or implied, concerning the safe use of this material in your process or combination with any other substances. Effects can be aggravated by other materials and/or this material may aggravate or add to the effects of other materials. This material may be released from gas, liquid or solid materials made directly or indirectly from it. User has the sole responsibility to determine the suitability of the materials for any use and the manner of use contemplated. User must meet all applicable safety and health standards.