



Material Safety Data Sheet (MSDS)

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Organic Fertilizer

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1. Identification

In this section we give product name which will be listed on label as well as contact information of the manufacturer

Product Name: Organic Fertilizer

Class: Industrial grade

Synonyms: Humate, Leonardite, Humus

MSDS Number: N/A Version : 1.0

Product Use Description: Biofertilizer for Agricultural, Horticultural and Landscaping Purposes

Company: Greenfield Eco Solutions Pvt. Ltd.

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Company Address:

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2. Hazard(s) Identification

This section identifies the hazards of the chemical presented on the MSDS and the appropriate warning information associated with those hazards. When looking at the different classifications of the numbering starts at 1 (most hazardous) and ends at 5 (Least hazardous). The lower the number or letter, the more severe the hazard.

CLASSIFICATIONS

- Flammable – Category 3
- Aspiration Hazard – Category 4
- Carcinogenicity – Category 3
- Specific Target Organ Toxicity (Repeated Exposure) – Category 4
- Specific Target Organ Toxicity (Single Exposure) – Category 4
- Skin Irritation – Category 2
- Eye Irritation – Category 2
- Chronic Aquatic Toxicity – Category 5

PICTOGRAMS



3. Composition/Information on Ingredients

This section identifies the ingredient(s) contained in the product indicated on the MSDS, including impurities and stabilizing additives. This section includes information on substances, mixtures, and all chemicals where a trade secret is claimed. The required information consists of:

MAIN INGREDIENT

Organic Fertilizer is a blend of natural organic materials and bio-pesticides with addition of natural minerals.

PROPORTION OF INGREDIENTS

100 %. There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Any concentration shown as a range is to protect confidentiality (trade secret) or due to batch variation.

4. First-Aid Measures

This section describes the initial care that should be given by untrained responders to an individual who has been exposed to the chemical

EFFECTS OF OVEREXPOSURE:

Exposure to Organic Fertilizer should not present a health hazard. No exposure limits have been determined and no particular reactions to this product have been reported. Excessive dust from handling this product may produce allergenic responses in a few sensitive individuals. Overexposure may cause skin/eye and upper respiratory tract irritation along with allergenic responses and asthma.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE

If an allergy such as dermatitis, asthma, or bronchitis develops it may be necessary to remove a sensitive worker from further exposure to organic fertilizer.

EMERGENCY AND FIRST AID PROCEDURES

- **INHALATION:** Remove to fresh air and seek medical advice. No toxic effects are known. Wash with water and sink and rinse thoroughly.
- **EYE CONTACT:** Flush with water to remove dust particles from the eye. No eye effects are known. If irritation persists, get medical attention.
- **SKIN CONTACT:** If a rash, or persistent irritation or dermatitis occurs, get medical advice.
- **INGESTION:** Large quantities swallowed may cause gastro-intestinal irritation. Seek medical attention.

Use of appropriate PPE can limit contact as needed – long pants, sleeves, gloves, eye shields, p100 respirator.

5. Fire-Fighting Measures

This section provides recommendations for fighting a fire caused by the chemical

FLAMMABILITY CLASSIFICATION

Auto-ignition Temperature > 400 degrees C

EXTINGUISHING MEDIA

Water spray, carbon dioxide

UNUSUAL FIRE AND EXPLOSION HAZARDS

Any fine dust may explode if it is suspended in air and ignition source is present. Under extreme temperatures organic fertilizer burn similar to coal. The minimum explosible concentration is 0.140 g/l.

FIRE FIGHTING EQUIPMENT

Full protective equipment and self-contained breathing apparatus (SCBA) with a full face mask operated in positive pressure mode.

6. Accidental Release Measures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Sweep up or vacuum up spills for recovery or disposal. Eliminate ignition sources. Use only non-sparking tools. Avoid generation of dust during clean-up of spills. A dust respirator may be required during clean up.

WASTE DISPOSAL

Dispose in accordance with central, state and/or local regulations

7. Handling and Storage

This section provides guidance on the safe handling practices and conditions for safe storage of chemicals.

HANDLING

Avoid all sources of ignition: open flame, spark, heat. Use only non-sparking tools. Use proper PPE.

STORAGE

Store in a cool, dry, well ventilated place. Keep containers tightly closed. Keep away from direct sunlight, heat sources and incompatible materials such as oxidizers, acids, bases, etc.

8. Exposure Controls/Personal Protection

This section indicates the exposure limits, engineering controls, and personal protective measures that can be used to minimize worker exposure.

RESPIRATORY PROTECTION

No protection required handling Organic Fertilizer unless there is excessive dust associated. Use approved dust respirator. P100 type ¼ face

EYE SHIELDS

Use approved eye shields

PROTECTIVE GLOVES

Recommended to reduce skin contact.

OTHER PROTECTIVE EQUIPMENT

No special clothing required unless excessive dust is associated with handling. Use clean body-covering work clothing.

VENTILATION

Whenever possible local exhaust ventilation should be used.

HYGIENIC PRACTICES

Follow good hygienic practices.

9. Physical and Chemical Properties

This section identifies physical and chemical properties associated with the substance or mixture

APPEARANCE AND ODOR

Solid, dark brown to black powder/granules. Minimal odor

BULK DENSITY

160-180 kg per cubic meter

BOILING POINT (DEGREES CENTIGRATE)

Not Applicable

MELTING POINT (DEGREES CENTIGRATE)

Not Applicable

VAPOR PRESSURE (mm of MERCURY)

Not applicable

SPECIFIC GRAVITY (water=1)

0.8-0.9

PERCENT VOLATILE (by weight)

Not Applicable

pH

6-7

SOLUBILITY IN WATER

Slight

10. Stability and Reactivity

This section describes the reactivity hazards of the chemical and the chemical stability information.

Reactivity

HAZARDOUS POLYMERIZATION

Will not occur.

Chemical stability

STABILITY: () UNSTABLE (*) STABLE

Other

HAZARDOUS DECOMPOSITION PRODUCTS

When burned, CO, CO₂, SO₂, Hydrocarbons may be detected.

CONDITIONS TO AVOID

Provide ventilation sufficient to prevent exceeding recommended exposure limits.
Keep containers closed and in a cool, well-ventilated area.
Avoid mixing with oxidizing agents and materials having pH < 4.

11. Toxicological Information

This section identifies toxicological and health effects information or indicates that such data are not available.

There are no substances of toxicological significance contained in this product.

12. Ecological Information (non-mandatory)

This section provides information to evaluate the environmental impact of the chemical(s) if it were released to the environment.

Organic Fertilizer is a strong plant and soil bio-stimulant. No aquatic dangers are known. Non-toxic.

13. Disposal Considerations (non-mandatory)

This section provides guidance on proper disposal practices, recycling or reclamation of the chemical(s) or its container, and safe handling practices.

Dispose of waste material in accordance with all federal, state and local regulations. This product may be disposed at an authorized waste management facility.

14. Transport Information (non-mandatory)

This section provides guidance on classification information for shipping and transporting of hazardous chemical(s) by road, air, rail or sea.

Transport product in a vehicle that will sufficiently contain a free flowing product. Always cover loads to prevent free ventilation flowing across this product. Always wear suitable PPE 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 (non-mandatory)

This section identifies the safety, health, and environmental regulations specific for the product that is not indicated anywhere else on this MSDS.

None

16. Other Information

This section indicates when the MSDS was prepared or when the last known revision was made. The MSDS may also state where the changes have been made to the previous version.

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. When further technical information is required on this Material Safety Data Sheet (MSDS), please contact Greenfield Eco Solutions Pvt. Ltd.