

1: IDENTIFICATION

Chemical Name	Not Applicable for Microbial Consortia		
Synonyms	Carrier-Based Microbial Consortia	Trade Name	ECOSENTRA DEFENCE
Uses	Biofertilizer (Powder formulation containing agriculturally beneficial microbes)	Molecular Formula	Not Applicable for Microbial Consortia
Manufacturer/ Supplier	Ulink AgriTech Pvt. Ltd. Office Nos. 001 and 002, Ground Floor Wing "A" and Nos. 003 And 004 Ground Floor Wing "B", Nyati Tech Park, Wadgaon Sheri, Pune - 411014, Maharashtra		
Emergency Contact	9503095030	E-mail	info@agrostar.in

2: COMPOSITION/INFORMATION OF INGREDIENTS

No Hazardous Ingredients.

Contains naturally-occurring, non-pathogenic, microorganisms in powder formulation. These include Azotobacter, Pseudomonas and Frateuria spp. popularly used in agriculture for nitrogen fixation, phosphate solubilization, potassium mobilization and disease control. See Product label for method of application, dosage and recommendations. Not for food, feed or drug use.

3: HAZARD IDENTIFICATION

Emergency Overview: No known health hazards

Primary Entry Routes : Oral (swallowing), Inhalation

Acute Effects (Signs and Symptoms of Overexposure):

Eyes: Powder may cause mechanical irritation of eyes

Ingestion : No known hazard

Skin : No known hazard

Inhalation : Inhalation of large amounts may cause discomfort

Chronic Effects: No known hazard

Target Organs: None

Medical Conditions

Aggravated by Exposure : None known

Carcinogenicity : None

HMIS : Health – 0, Flammability – 0, Reactivity – 0

4: FIRST AID MEASURES

General: Have the product container, label or safety data sheet while seeking medical attention, a poison control center or physician, or going for treatment.

Inhalation: Move person to fresh air and keep warm and at rest in a position comfortable for breathing. Immediately seek medical attention if symptoms are severe or persist.

Ingestion: Recommended to seek medical attention

Skin Contact: In case of contact with product, wash immediately skin area with plenty of water and soap. Remove and isolate contaminated clothing and shoes.

Eye Contact: Rinse immediately with plenty of water for several minutes. After 5 minutes remove contact lenses if present and continue rinsing with plenty of water. Continue to rinse with eyelid wide open for at least 15-20 minutes. Seek medical attention if irritation develops.

Note to physician: No specific Antidote. Treat symptomatically.

5: FIRE FIGHTING MEASURES

Extinguishing Media: Not applicable

Auto ignition Temperature: Not Established

Explosive Limits: LEL: Not Applicable UEL: Not Applicable

Flash Point: Not applicable

Specific Hazard: Not Known

Fire Fighting Instructions: No special requirement

Protection of Fire Fighters: Firefighters should wear protective clothing and SCBA

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment including suitable protective clothing, gloves and eye or face protection.

Methods for Cleaning-up: Large Spill / Leak Procedure - Contain spill and recover for use or disposal.

Small Spills - Flush area with water

7: HANDLING & STORAGE

Handling: No special handling requirements. Follow normal hygienic and housekeeping standards for agricultural products

Storage: Store in original container in clean, cool and dry place. Use before expiration date printed on package

8: EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Measures: Special ventilation is not required

General Protection: Avoid contact with eyes and skin. After use and before eating, drinking and smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves and contaminated clothing.

Personal Protection: Follow all precautions and instructions on the label. In all other cases the following recommendations would apply.

Respiratory Protection: Not required

Skin Protection: No special requirement

Hand Protection: No special requirement

Eye Protection: No special requirement

Others: Wash clothing before reusing.

9: PHYSICAL/CHEMICAL PROPERTIES

Appearance: Powder

Colour: Light beige

pH: 5.0 - 7.0

Decomposition Temperature[°C] : > 50

Solubility in Water: Soluble

Odour : Mild

Physical State: Solid (Powder)

10: STABILITY & REACTIVITY

Stability: Stable

Conditions to avoid : None

Hazardous Polymerization: Will not occur

Hazardous Decomp. Products: None

Chemical Incompatibilities: Avoid contact with any chemical

11: TOXICOLOGICAL INFORMATION

Not any toxic effects on organ or on health

Any toxic effects on eye : Non-irritating

Acute Inhalation Effects : None

Dermal effect : Non-irritating

Acute Oral Effects : None

Acute Dermal Effects : None

Skin Sensitization : Not a skin sensitizer

12: ECOLOGICAL INFORMATION

The product contains non-pathogenic, non-hazardous and non-toxic, naturally occurring constituents and is biodegradable.

13: DISPOSAL CONSIDERATION

Waste-disposal Procedures: Small amounts of the product which cannot be used according to the label instructions may be disposed of in a landfill

This product is not regulated as a hazardous waste. State and local regulation may affect the disposal of this product. Consult your state, local or provincial environmental agency for disposal of waste

14: TRANSPORT INFORMATION

This product is not regulated as a hazardous material for all modes of transportation

IATA regulation : Not applicable

ID No: Not applicable

Hazard Class: Not applicable

15: REGULATORY INFORMATION

TSCA: All components of this product are listed on TSCA Inventory

SARA Section 313: Contains no reportable components

OSHA Hazard Classification : Non hazardous

Proposition 65 : Contains no components subject to warning requirement

WHMIS / Controlled Products Regulations : This product has been classified in accordance with the hazard criteria of the CPR and this MSDS contains all of the information required by the CPR

16: OTHER INFORMATION

DISCLAIMER OF LIABILITY The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

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