

**1: IDENTIFICATION**

<b>Technical Name</b>	Phosphate Rich Organic Manure (PROM)		
<b>Synonyms</b>	Phosphate Rich Organic Manure	<b>Trade Name</b>	<b>PARAKH (PHOSPHATE RICH ORGANIC MANURE)</b>
<b>Uses</b>	Soil Amendment, Fertilizer, Phosphate Enrichment	<b>Molecular Formula</b>	Not Applicable
<b>Manufacturer/ Supplier</b>	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		
<b>Emergency Contact</b>	9503095030	<b>E-mail</b>	<a href="mailto:info@agrostar.in">info@agrostar.in</a>

**2: COMPOSITION/INFORMATION OF INGREDIENTS**

**Fertilizer Type:** Phosphate Rich Organic Manure

**Composition:**

Content	% by wt
Total Organic carbon, % by wt min	8 % (ODB)
Total Nitrogen as N, % by wt min	0.4 % (ODB)
Total Phosphates as P <sub>2</sub> O <sub>5</sub> , % by wt min	8 % (ODB)
Moisture Content	upto 25 %
C:N ratio	less than 20:1

Note: ODB - Oven Dry Basis

**3: HAZARD IDENTIFICATION**

<b>Physical Hazards:</b>	May cause mechanical irritation to eyes due to particulate matter Dust generation during handling may cause respiratory irritation
<b>Health Hazards:</b>	Inhalation: Prolonged inhalation of dust may cause respiratory irritation Skin Contact: Generally non-irritating; may cause minor mechanical irritation Eye Contact: May cause mechanical irritation due to dust particles Ingestion: Not intended for consumption; large quantities may cause gastrointestinal discomfort
<b>Environmental Hazards:</b>	Generally, environmentally friendly when used as directed. May contribute to nutrient runoff if over-applied
<b>Classification:</b>	Not classified as hazardous under GHS criteria      Non-toxic organic fertilizer

**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. Give artificial respiration if necessary. If required seek medical attention.

**Ingestion:** Rinse mouth with water thoroughly and give water to drink. Do not induce vomiting. If large quantities consumed, seek medical attention immediately.

**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. Seek medical attention if irritation develops and persists.

**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:** This product is generally non-toxic. Treat symptomatically.

**5: FIRE FIGHTING MEASURES**

**Extinguishing Media:** Water fog, alcohol-resistant foam, dry chemical powder or carbon dioxide

**Unsuitable Extinguishing Media:** None

**Special Hazards:** May generate dust clouds which could pose explosion risk in confined spaces. Decomposition may produce carbon monoxide and other organic compounds

**Special Procedures:** Do not discharge extinguishing water into the drain or water bodies. If risk of water pollution occurs, notify appropriate authorities. Move containers away from area if it can be done without risk. If possible without risk, remove containers from fire zone, cool with water spray. Use of contaminated buildings, area and equipment has to be avoided until decontaminated.

**Protection of Fire Fighters:** Do not breathe a fumes. Wear full protective clothing and self contained breathing apparatus for fire fighting if necessary.

**6: ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Ventilate spillage area. Wear appropriate personal protective equipment. Avoid creating dust clouds.

**Environmental Precaution:** Prevent material from entering waterways or storm drains. Clean up spills promptly to prevent slip hazards.

**Methods for Cleaning-up:** Sweep up material and collect in containers for disposal or reuse. Use vacuum equipment designed for organic materials. Avoid dry sweeping to minimize dust generation.

## 7: HANDLING & STORAGE

**Handling:** Ensure adequate ventilation. Wear appropriate protective safety equipments during product handling. Do not smoke, drink, or eat during handling. Wash hands and other exposed areas with soap and water before and after handling the product. Avoid generating dust clouds. Good personal hygiene procedures must be practiced.

**Storage:** Store in dry, cool and well-ventilated area. Keep in original container and tightly closed when not in use. Keep the product away from reach of children and animals. Protect from moisture to prevent caking. Store away from incompatible materials. Ensure adequate ventilation in storage areas.

## 8: EXPOSURE CONTROL/PERSONAL PROTECTION

**Occupational Exposure Limits:** No specific occupational exposure limits established

**Engineering Measures:** Ensure adequate ventilation. Use dust collection systems where appropriate. Minimize dust generation during handling. Handle in accordance with good industrial hygiene and safety practice.

**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** Dust mask (N95) recommended for prolonged exposure

**Skin Protection** Wear suitable protective working clothing to avoid skin contact. Any clothing or other absorbent material which has been drenched or heavily contaminated must be discarded.

**Hand Protection** Work gloves recommended

**Eye Protection** Safety glasses recommended when handling. Safety showers and eyewash should be easily available.

**Others:** Wash clothing before reusing.

## 9: PHYSICAL/CHEMICAL PROPERTIES

**Appearance:** Granules

**Colour:** Dark brown to black

**Moisture Content:** 15.0 - 25.0%

**Physical State:** Solid

**Odour:** Earthy, organic

**pH:** 6.5 - 8.0 (1:5 solution)

**Solubility:** Partially soluble in water

**Bulk Density [gm/cm<sup>3</sup>]:** < 1.6

## 10: STABILITY & REACTIVITY

**Stability:** Stable under normal circumstances.

**Conditions to Avoid:** Excessive heat and moisture and incompatibles.

**Material to Avoid:** Strong acids and strong oxidizing agents.

**Hazardous Decomp. Products:** Under fire conditions: Carbon monoxide, carbon dioxide, organic compounds

## 11: TOXICOLOGICAL INFORMATION

**Acute Toxicity:** Low acute toxicity. Not expected to cause adverse effects under normal use conditions

**Chronic Effects:** No known chronic effects from normal use. Prolonged inhalation of dust may cause respiratory irritation.

**Carcinogenicity:** No components are listed as carcinogens

## 12: ECOLOGICAL INFORMATION

**Ecotoxicity:**

Generally non-toxic to aquatic life when used as directed. May cause eutrophication if large amounts enter water bodies

**Environmental Fate:**

Biodegradable organic matter. Enhances soil organic content. May contribute to nutrient cycling in soil

## 13: DISPOSAL CONSIDERATION

**Waste-disposal Procedures:** Can be applied to soil as fertilizer according to agronomic recommendations. Composting is suitable for small quantities. Dispose of in accordance with local, regional, and national regulations

**Contaminated Packaging:** Empty containers can be recycled or disposed of as non-hazardous waste. Rinse containers before disposal if possible

## 14: TRANSPORT INFORMATION

**Classification:** Not classified as dangerous goods for transport. Non-hazardous material

**UN Number:** Not applicable

**Transport Hazard Class:** Not applicable

**Proper Shipping Name:** Fertilizer, organic

**Packing Group:** Not applicable

## 15: REGULATORY INFORMATION

Complies with Indian fertilizer regulations. No special regulatory restrictions

Meets FCO (Fertilizer Control Order) specifications for organic fertilizers.

## 16: OTHER INFORMATION

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