

1: IDENTIFICATION

Chemical Name	Not Applicable, Complexed fertilizer powder with micronutrients		
Synonyms	Complexed fertilizer powder with micronutrients.		Trade Name NUTRIPRO (AP GRADE-IV)
Uses	Plant nutrient	Molecular Formula Mixture-Not Applicable	
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

Complexed fertilizer powder with micronutrients

Chemical Name	Percent or content (w/w)
Boron (B)	2.0%
Copper (Cu)	1.0%
Manganese (Mn)	3.0%
Molybdenum (Mo)	0.1%
Iron (Fe)	4.0%
Zinc (Zn)	6.0%

3: HAZARD IDENTIFICATION

Not considered a hazardous product. Irritating to skin and eye and respiratory tract.

Product may feed combustion

Potential Health Effects: None known.

Signs and Symptoms of Exposure: Irritation of skin and eyes and respiratory tract.

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: Rinse mouth with water thoroughly and give water to drink. Do not induce vomiting unless told to do so by doctor. Never give anything by mouth to an unconscious person. Seek medical attention immediately and show this container or label.

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.

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: Dry chemical carbon dioxide foam

Flammability of the Product: May be combustible at high temperature

Unsuitable Extinguishing Media: None known

Specific Hazard: Not available.

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. Approach fire from upwind to avoid hazardous vapours and toxic decomposition products. streams. Dike area to prevent water runoff.

Protection of Fire Fighters: Wear a self contained breathing apparatus and complete protective clothes.

6: ACCIDENTAL RELEASE MEASURES

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

Environmental Precaution: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

Methods for Cleaning-up: Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

7: HANDLING & STORAGE

Handling: Ensure good ventilation. Do not smoke, drink, or eat during handling. Wash hands and other exposed areas with soap and water before and after handling the product. Good personal hygiene procedures must be practiced.

Storage: Store in dry, cool and well-ventilated area at ambient temperature. Keep away from source of ignition and heat. Keep in original container and tightly closed when not in use. Ground all equipment containing material. Keep out of reach of children. Do not contaminate water, food or feed by storage or disposal.

8: EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Measures: Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. The control exposure parameters are not defined.

Exposure Limits: No specific recommendations.

General Protection: Avoid prolonged or repeated breathing of dust and contact with 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: Use of respiratory protection is generally not required. However, if use conditions generate dust and adequate ventilation (e.g., outdoor or well-ventilated area) is not available, use a NIOSH-approved organic vapor respirator with dust, mist and fume filters to reduce potential for inhalation exposure.

Skin Protection: Wear suitable protective working clothing including long sleeved shirt, long pants, gloves, shoes and socks to avoid skin contact. Any clothing or other absorbent material which has been drenched or heavily contaminated must be discarded.

Hand Protection: Chemical-resistant gloves made of any waterproof material such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyvinyl chloride (PVC) or Viton.

Eye Protection: Use chemical safety glasses with side shields or splash proof goggles and face shield. Safety showers and eyewash should be easily available.

Others: Wash clothing before reusing.

9: PHYSICAL/CHEMICAL PROPERTIES

Appearance: Powder

Colour: Olive Green to Green **pH:** 3 - 4

Flammability: Not self inflammable

Solubility in Water: Soluble

Odour: Characteristic

Physical State: Solid

Apparent Density [kg/m³]: 400 -550

Oxidising Properties: Not oxidising

10: STABILITY & REACTIVITY

Stability: Stable under normal circumstances.

Material to Avoid: Brass, Copper and Galvanised metal

Hazardous Decomp. Products: Not available.

Conditions to Avoid: Excessive heat and source of ignition

Hazardous Polymerization: Will not occur.

11: TOXICOLOGICAL INFORMATION

Rat oral LD50 [mg/kg] : > 5000

Rat inhalation LC50 [mg/l/4h] : 5.05

Skin irritation (rabbit): Not Irritant

Dermal (rat) LD50 [mg/kg]: >4000

Skin Sensitization (Guinea Pig): Not a sensitizer.

Eye irritation (rabbit): Not Irritant

Carcinogenicity: No carcinogenic potential

Repeated dose toxicity: Data not available

Mutagenicity No mutagenic potential

12: ECOLOGICAL INFORMATION

Algal/Lemna Growth Inhibition : Not known.

Toxicity in Birds : Not known

Toxicity to Fish and Invertebrates : Not known

Toxicity to Plants : Not known.

13: DISPOSAL CONSIDERATION

Waste-disposal Procedures: Dispose of this product only according to the label or in compliance with government requirements or local regulations. Do not contaminate drains, streams, rivers or waterways with the chemical or used container.

Contaminated Packaging: Empty remaining contents and the rinse containers before disposal thrice. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14: TRANSPORT INFORMATION

UN No. None **Proper Shipping Name:** NUTRIPRO (AP GRADE-I) (MULTIMICRONUTRIENT POWDER CONTAINING B-2.0%, Cu-1.0%, Mn-3.0%, Mo-0.05%, Fe 4.0%, Zn-6.0%)

Not a hazardous material for transportation.

Label Requirement: None

Packing Group: None

15: REGULATORY INFORMATION

Product related hazard information: Observe the general safety regulations when handling chemicals

16: OTHER INFORMATION

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