

## 1: IDENTIFICATION

Chemical Name	Magnesium Sulphate	Trade Name	<b>NUTRIPRO MAGNESIUM SULPHATE</b>
Synonyms	Magnesium Sulphate	Molecular Formula	MgSO <sub>4</sub>
Uses	Plant Nutrients		
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	<a href="mailto:info@agrostar.in">info@agrostar.in</a>

## 2: COMPOSITION/INFORMATION OF INGREDIENTS

Chemical Name	CAS #
Magnesium Sulphate	7487-88-9

## 3: HAZARD IDENTIFICATION

**Classification of the Substance or Mixture:** Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

**Label Elements:** Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

**Other Hazards:** This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## 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. Seek medical attention immediately if feeling unwell.

**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:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media:** For this substance/mixture no limitations of extinguishing agents are given.

**Specific Hazard:** Ambient fire may liberate hazardous vapours along with Sulphur oxides and Magnesium oxide

**Hazardous Thermal (de)composition:** Sulphur oxides, Magnesium oxide

**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. 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:** Avoid contact with skin, eyes and clothing. Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures

**Environmental Precaution:** Do not let product enter drains, surface water or subsoil water. Retain contaminated washing water and dispose of it

**Methods for Cleaning-up:** Pick up the material mechanically and place in a container for proper disposal in accordance with local, state and federal regulations. Clean up affected area. Avoid generation of dusts.

## 7: HANDLING & STORAGE

**Handling:** Do not smoke, drink, or eat during handling. Do not breathe dust. 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. Keep in original container and tightly closed when not in use. Keep away from food, drink and animal feedingstuffs. Use normal safety procedure and good personal hygiene. Storage class (TRGS 510): 13: Non Combustible Solids

## 8: EXPOSURE CONTROL/PERSONAL PROTECTION

**Engineering Measures:** Ensure adequate ventilation of storage and working area. 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:** When dusts are generated, wear respiratory protection based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system. Recommended Filter type: Filter type P1

**Skin Protection:** Wear suitable protective working clothing (with elasticated cuffs and closed neck) to avoid skin contact.

**Hand Protection:** Wear suitable chemical protection gloves. Check leak-tightness/impermeability prior to use. Before reuse, clean and air them well.

**Eye Protection:** Safety goggles, chemical splash goggles or face shield for eyes protection should be used. Safety showers and eyewash should be easily available.

**Others:** Wash clothing before reusing.

## 9: PHYSICAL/CHEMICAL PROPERTIES

Appearance: Granular, powder	Colour: White	Physical State: Solid	Decomposition Temperature [°C]: 1124
Solubility in Water: 300 g/l at 20 °C - completely soluble		Melting Point [°C]: 1124	Density [g/cm3]: 2.66 @ 20 °C
Odour : Odourless	pH: 7.9 at 50 g/l at 25 °C		Flammability (solid, gas): Non-flammable

## 10: STABILITY & REACTIVITY

**Stability:** Stable under normal circumstances.

**Material to Avoid:** None known

**Conditions to Avoid:** Humidity (as product is hygroscopic)

**Hazardous Reactions:** No known hazardous reactions.

**Hazardous Decomp. Products:** Sulphur oxides, Magnesium oxide

## 11: TOXICOLOGICAL INFORMATION

### Acute Toxicity:

Rat oral LD50 [mg/kg] : > 2000      Rat inhalation LC50 [mg/l/4h] : No data available      Dermal (rat) LD50 [mg/kg]: >2000

Skin irritation: No skin irritation      Carcinogenicity: No data available      Eye irritation: No eye irritation

Remarks: (in analogy to similar products) The value is given in analogy to the following substances: potassium sulphate

## 12: ECOLOGICAL INFORMATION

### Aquatic Toxicity (acute) of Components of the Mixture:

Pimephales promelas LC50 96 h : 680 mg/l      Chlorella vulgaris (Freshwater algae) EC50 18 d: 2.700 mg/l

Daphnia magna EC50 48 h: 720 mg/l

**Bioaccumulative Potential:** No data available

**Persistence/Degradability:** Not Applicable, since inorganic substance.

**Mobility:** No data available

**Results of PBT and vPvB Assessment:** According to the results of its assessment, this substance is not a PBT or a vPvB.

## 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:** Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

## 14: TRANSPORT INFORMATION

UN No.: -      Proper Shipping Name: -

**Land Transport (ADR/RID):** Not classified as dangerous in the meaning of transport regulations.

**Air Transport (IATA / ICAO):** Not classified as dangerous in the meaning of transport regulations.

**Sea Transport (IMO)(IMDG):** Not classified as dangerous in the meaning of transport regulations.

## 15: REGULATORY INFORMATION

### Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture:

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

### Chemical Safety Assessment:

For this product a chemical safety assessment was not carried out

## 16: OTHER INFORMATION

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