

### 1: IDENTIFICATION

<b>Chemical Name</b>	No Applicable for Mixture		
<b>Synonyms</b>	No Applicable for Mixture	<b>Trade Name</b>	<b>NPK 8:8:8 Liquid</b>
<b>Uses</b>	Fertilizer, Crop Nutrient	<b>Molecular Formula</b>	No Applicable for Mixture
<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

Components	Percent or content (w/w)	Function
Nitrogen (Ammonical+ nitrate)	8.0%	Plant nutrient N
Phosphorus (as phosphoric acid / MAP / DAP)	8.0%	Plant nutrient P
Potassium (as potassium sulfate / chloride)	8%	Plant nutrient K
Water + stabilizers	Q.S	Carrier medium

### 3: HAZARD IDENTIFICATION

<b>Classification of Product (GHS):</b>	Eye irritation, Category 2B Skin irritation, Category 3 (mild)	<b>Hazard Statements:</b>	Causes mild eye and skin irritation Harmful if ingested in large quantities
<b>Signal Word:</b>	Warning		
<b>Precautionary Statements:</b>	Avoid contact with eyes, skin, and clothing Wear gloves and goggles Wash hands thoroughly after handling		

### 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:** Water spray, foam, CO<sub>2</sub>, dry chemical

**Unsuitable Extinguishing Media:** None known

**Specific Hazard:** Non-flammable; may release nitrogen oxides if heated excessively.

**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:** Firefighters should wear protective clothing and SCBA

### 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:** Contain and absorb spill with inert material (sand, soil). Prevent entry into drains or waterways. Dispose of according to local regulations

### 7: HANDLING & STORAGE

**Handling:** Ensure good ventilation/exhaustion at the workplace. Avoid breathing dust. Do not smoke, drink, or eat during handling. .Wear gloves and goggles 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. Keep in original container and tightly closed when not in use. Keep out of reach of children. Do not contaminate water, food or feed by storage or disposal. Avoid contact with incompatible materials (strong acids, strong bases).

### 8: EXPOSURE CONTROL/PERSONAL PROTECTION

**Engineering Measures:** Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. No occupational exposure limits are established for mixture.

**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:** Approved NIOSH/MSHA respirator should be used if mist is generated when handling the material.

**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:** Safety glasses with side shields or goggles for eyes protection should be used. Safety showers and eyewash should be easily available.

**Others:** Wash clothing before reusing.

#### 9: PHYSICAL/CHEMICAL PROPERTIES

**Appearance:** Green liquid

**Colour:** Green

**pH:** 3.5 -7.5

**Density[g/cm<sup>3</sup>]:** ~ 1.2 -1.4

**Solubility in Water:** Fully soluble in water

**Odour :** Mild fertilizer-like

**Physical State:** Liquid

#### 10: STABILITY & REACTIVITY

**Stability:** Stable under recommended storage

**Incompatible Materials:** Strong acids, strong oxidizers

**Hazardous Decomp. Products:** Nitrogen oxides, phosphates, potassium oxides

**Reactivity:** Non-reactive under normal use

#### 11: TOXICOLOGICAL INFORMATION

**Acute Toxicity:** Low under normal use

**Effects:** Mild irritation of eyes/skin; gastrointestinal upset if ingested in large amounts

**Routes of Exposure:** Eye, skin, ingestion

**Chronic Effects:** No known long-term effects at normal use rates

#### 12: ECOLOGICAL INFORMATION

Fertilizer may contribute to eutrophication in water bodies if released in high concentrations

**Environmental Toxicity:** Avoid discharge to watercourses      Bioaccumulation unlikely at recommended use rates

#### 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 Classification:** Not classified as hazardous. for transport

**Labeling:** Non-hazardous agricultural product

**Transport Hazard Class:** None.

**Packing Group:** None

#### 15: REGULATORY INFORMATION

Complies with fertilizer regulations in most countries

Not classified as hazardous under transport regulations

#### 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.

----- END -----