

1: IDENTIFICATION

Chemical Name	Potassium Nitrate, Potassium Chloride	Trade Name	NPK 6:0:49 (MAXIMA)
Synonyms	Potassium Nitrate, Potassium Chloride	Molecular Formula	$\text{KNO}_3 + \text{KCl}$
Uses	Fertilizer		
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

Chemical Name	CAS #	Percent or Content (w/w)
Potassium Nitrate	7757-79-1	5- < 10%*
Potassium Chloride	7447-40-7	1 - < 3%*
Other Ingredients	-	90-100 %

* Designates that specific chemical identity/ percentage of composition has been withheld as trade secret.

3: HAZARD IDENTIFICATION

Physical/ Chemical Hazard: Not Classified

Human Health Hazard: Not Classified

Environment Hazard: Not Classified

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 by doctor. Never give anything by mouth to an unconscious person. Seek medical attention immediately if symptoms occurs.

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: No specific Antidote. Treat symptomatically.

5: FIRE FIGHTING MEASURES

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

Unsuitable Extinguishing Media: Water jet, as this will spread fire

Specific Hazard: During fire, Toxic gases/fumes may be formed. Exposure to these gases may be harmful for health.

Hazardous Thermal (de)composition: Toxic fumes or gases may be released

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.

Protection of Fire Fighters: Do not breathe a fumes. Approach fire from up wind. Wear a self contained breathing apparatus and complete protective clothes.

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Ventilate spillage area. Use personal protective equipment including suitable protective clothing, gloves and eye or face protection. Evacuate personnel to safe areas and upwind of spill/ leak.

Environmental Precaution: Avoid discharge into drains, water courses or onto ground.

Methods for Cleaning-up: Absorb spills with inert material and transfer to a container for disposal according to local regulations. Clean contaminated floors and objects thoroughly with water and detergents. Never return the spills to original container for reuse.

7: HANDLING & STORAGE

Handling: Ensure adequate 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. Keep in original container and tightly closed when not in use. Keep out of reach of children. Keep away from heat. Store away from incompatible materials (see sec.10)

8: EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Measures: Ensure adequate ventilation. 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: Always use NIOSH/MSHA approved respiratory protection equipment.

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: 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: In dusty condition, use 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: Liquid

Colour: Cloudy

Odour : Musty

pH: 2.5

Solubility in Water: Soluble (98%)

Boiling Point [°C]: 100

Physical State: Liquid

10: STABILITY & REACTIVITY

Stability: Stable under normal circumstances.

Conditions to Avoid: Contact with incompatible materials

Hazardous Decomp. Products: No hazardous decomposition products are known.

Material to Avoid: Strong oxidizing agents

Hazardous Reactions: Polymerization will not occur.

11: TOXICOLOGICAL INFORMATION

Acute toxicity of Mixture:

Rat oral LD50 [mg/kg] : 36723.86

Rat inhalation LC50 [mg/l/4h] : No data available

Skin irritation (rabbit): Irritant

Other (rat) LD50 [mg/kg]: 7781.47

Skin Sensitization (Guinea Pig): Non-sensitizer

Eye irritation (rabbit): Irritant

Information on likely Routes of Exposure:

Inhalation: No adverse effect due to inhalation are expected

Ingestion: Expected to be a low ingestion hazard

Skin Contact: No adverse effect due to skin contact are expected

Eye Contact : Direct contact may cause a temporary irritation

12: ECOLOGICAL INFORMATION

Ecotoxicity:

Daphnia magna EC50(48 hrs) [mg/L]: 26088.6

Crap fish LC50 (96 hrs)[mg/L]: 10086.9

Persistence and Degradability: No data available

Mobility: No data available

Bioaccumulative Potential: No data available

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

DOT/ IATA/ IMDG: Not regulated as dangerous goods.

15: REGULATORY INFORMATION

This product is not known to be "Hazardous Chemical" as defined by OSHA Hazard Communication Standard, 29 CFR 1910.1200

16: OTHER INFORMATION

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