



**ULINK AGRITECH PRIVATE LIMITED**  
**MATERIAL SAFETY DATA SHEET : MODESTY**

**1: IDENTIFICATION**

<b>Chemical Name</b>	Imazamox: 5-(methoxymethyl)-2-(4-methyl-5-oxo-4-propan-2-yl-1H-imidazol-2-yl)pyridine-3-carboxylic acid Imazethapyr: 5-ethyl-2-(4-methyl-5-oxo-4-propan-2-yl-1H-imidazol-2-yl)pyridine-3-carboxylic acid
<b>Synonyms</b>	Imazamox 35% + Imazethapyr 35% WG
<b>Uses</b>	Herbicide
<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**

Chemical Name	CAS #	Percent or Content (w/w)
Imazamox	114311-32-9	35 %
Imazethapyr	81335-77-5	35 %
Alkyl Naphthalene Sulfonic acid, polymer with formaldehyde, sodium salt	68425-94-5	1-5 %
Alkyl Naphthalene sulfonate, sodium salt		1-5 %

**3: HAZARD IDENTIFICATION**

<b>Physical/Chemical Hazard:</b>	Imazamox & Imazethapyr: Aquatic Hazard Acute Category 1 & Chronic Category 1
<b>Human Health Hazard:</b>	H315: Skin corrosion/irritation      H319:Serious eye damage/eye irritation
<b>Environmental Hazard:</b>	H400: Very toxic to aquatic life      H 410: Very toxic to aquatic life with long-lasting effects

**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. Never give anything by mouth to an unconscious person.

**Inhalation:** Move patients to fresh air. If not breathing give artificial respiration. Immediately seek medical attention.

**Ingestion:** Rinse mouth with water and give plenty of water to drink. Do not induce vomiting. 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. Speed in removing material from skin is extremely important. 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, dry chemical powder or carbon dioxide

**Specific Hazards:** In case of fire and/or explosion, toxic fumes may be released. Do not breathe fumes.

**Hazardous Thermal (de)composition:** The decomposition products are toxic fumes such as carbon monoxide, nitrogen oxides, carbon dioxide.

**Special Procedures:** Do not discharge extinguishing water into the drain or water bodies. Move containers away from area if it can be done without risk. If possible remove containers from fire zone, cool them with water spray

**Protection of Fire Fighters:** Do not breathe a fumes, Wear fire/flame resistant/retardant clothing. Do not enter fire area without proper protective equipment, including respiratory protection..

**6: ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Avoid dust formation, Avoid contact with the skin, eyes and clothing. Use personal protective equipment.

**Environmental Precaution:** Avoid creating or spreading dust. Do not allow runoff to enter drains and public waters. Notify the authorities if product enters.

**Methods for Cleaning-up:** Clean up mechanically by sweeping or shovelling and collect in suitable container for disposal. Carefully collect remainder. Minimise generation of dust. Wash contaminated area with large amounts of water.

**7: HANDLING & STORAGE**

**Handling:** Do not smoke, drink, or eat during handling. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wear protective equipments to avoid contact and/or inhalation with the product. Remove contaminated clothing and shoes. Wash clothing and equipment after handling. Good personal hygiene procedures must be practiced.

**Specific Conditions:** Good local exhaust ventilation.

**Storage:** Store in cool, well-ventilated area. Keep in original container and tightly closed when not in use. Store away from direct sunlight, heat, sparks and flame. Do not contaminate water, food, or feed by storage or disposal. Store at temperature 0 - 30°C

## 8:EXPOSURE CONTROL/PERSONAL PROTECTION

**Engineering Measures:** Ensure area is well-ventilated. Handle in accordance with good industrial hygiene and safety practice.

**General Protection:** Avoid contact with eyes and skin. While handling the product wear cotton overalls buttoned to the neck and wrist, elbow-length PVC gloves and face shield. 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 with a universal filter type including particle filter.

**Skin Protection:** Wear suitable protective clothing, including long sleeved shirt, long pants and shoes with socks, gloves, or cover all 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 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:** Granules    **Bulk Density [kg/m3]:** 529 - 609

**Solubility in water:** Dispersible

**pH:** 2.9

**Colour:** Light brown

**Odour:** Odourless

**Melting Point [°C]:** 164 – 165

**Physical State:** Solid

## 10:STABILITY & REACTIVITY

**Stability:** Stable under normal circumstances.

**Conditions to Avoid:** Heat, high temperature, open flame ,direct sunlight.

**Hazardous Decomp. Products:** No hazardous products known under conditions of normal use.

**Possibility of Hazardous Reactions:** No dangerous reaction known under conditions of normal use.

## 11: TOXICOLOGICAL INFORMATION

**Rat oral LD50 [mg/kg] :** >5000

**Rat inhalation LC50 [mg/l/4h] :** >6.3

**Skin irritation (rabbit):** Irritant

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

**Skin Sensitization (Guinea Pig):** Not classified

**Eye irritation (rabbit):** Strong Irritant

## 12: ECOLOGICAL INFORMATION

**Ecotoxicity:** Very toxic to aquatic organisms with long lasting effect.

**Rainbow Trout LC50 (96 hrs)[mg/L]:** >122

**Daphnia magna EC50(48 hrs) [mg/L]:** > 122

**Algae EC50 (120 hrs) [mg/L]:** > 0.037

**Bio-accumulation Potential:** Low bioaccumulative potential

**Persistence, Degradability and Mobility in soil:** Not readily biodegradable. Moderate to high mobility in soil

## 13: DISPOSAL CONSIDERATION

**Waste-disposal Procedures:** Dispose of this product only according to the label. Do not contaminate drains, streams, rivers or waterways with the chemical or used container. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations.

**Contaminated Packaging:** Empty remaining contents and the rinse containers before disposal thrice. Empty containers should be taken to an approved

## 14: TRANSPORT INFORMATION

**UN No.** 3077

**Proper Shipping Name:** Environmentally Hazardous Substance, Solid, N.O.S

**Land Transport (ADR/RID):** Class-9, Packing Group-III

**Sea Transport (IMO/IMDG):** Class-9, Packing group-III, Marine Pollutant-Yes

**Air Transport (IATA / ICAO):** Class-9 Packing group-III, Environmental hazard mark-Yes

## 15: REGULATORY INFORMATION

**Hazard Symbol:** GHS09, GHS07

**Hazard Statements:** H319, H315, H400, H410

## 16: OTHER INFORMATION

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