

COCREATE GLOBAL TECHNOLOGIES PRIVATE LIMITED

U21009KA2023PTC179006

Registered address: FFK Towers, #445, 2nd Floor, 17th Cross Road, Sector 4, HSR Layout, Bangalore, Bangalore South, Karnataka - 560102, India.

Email: info@scimplify.com

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SAFETY DATA SHEET

Imazethapyr 10% SL

1. Identification

- **Product Name:** Imazethapyr 10% SL
- **Chemical Name:** 5-ethyl-2-[(RS)-4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl] nicotinic acid
- **Molecular Formula:** C₁₅H₁₉N₃O₃
- **Intended Use:** Herbicide
- **Manufacturer/Supplier:** Cocreate Global Technologies Private Limited

2. Composition / Information on Ingredients

- **Active Ingredient:** Imazethapyr (CAS No. 81335-77-5) - **11.11%**
- **Other Ingredients:** **88.89%**

3. Health Hazards Identification

- **Ingestion:** Harmful if swallowed.
- **Inhalation:** Harmful.
- **Eye Contact:** May cause moderate irritation.
- **Skin Contact:** Moderate irritant, harmful if absorbed through the skin. Prolonged or repeated exposure may cause allergic reactions.

4. First Aid Measures

- **Eye Contact:** Flush with clean water for **15-20 minutes**, lifting both eyelids. Seek medical attention.
- **Skin Contact:** Remove contaminated clothing, wash affected areas with **soap and water** for at least **15-20 minutes**. Seek medical help if irritation persists.

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- **Ingestion:** Do **not** induce vomiting. If the person is alert, rinse mouth and offer water. Seek **immediate medical attention**.
 - **Inhalation:** Move victim to fresh air, **keep warm and at rest**. Seek medical attention if symptoms persist.
 - **Note to Physician:** **No specific antidote**. Treat symptomatically. **Gastric lavage** may be considered in cases of large ingestion.
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5. Fire-Fighting Measures

- **Flash Point:** >100°C
 - **Flammability Limits:** Not applicable.
 - **Extinguishing Media:**
 - Suitable: **Foam, CO₂, dry chemical, water spray**.
 - Not Suitable: **Do not use high-pressure water streams**.
 - **Hazardous Combustion Products:** Carbon monoxide, nitrogen oxides, hydrocarbons.
 - **Protective Measures:** **Self-contained breathing apparatus (SCBA)** and protective gear required.
 - **Firefighting Precautions:** Contain runoff to prevent environmental contamination.
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6. Accidental Release Measures

- **Spill Cleanup:**
 - Contain the spill using **absorbent materials** (sand, soil).
 - Collect contaminated material in labeled containers for **proper disposal**.
 - Avoid flushing into **drains, rivers, or soil**.
 - **Environmental Precautions:** Prevent contamination of **water sources and soil**.
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7. Handling and Storage

- **Handling Precautions:**
 - Harmful if in contact with **skin, eyes, or inhaled**.
 - Avoid **spray drift and vapor inhalation**.
 - Wash hands before **eating, drinking, or smoking**.
 - **Storage Conditions:**
 - Store in **original, labeled containers** in a **cool, dry, well-ventilated area**.
 - Keep away from **food, animal feed, and water sources**.
 - **Lock storage areas** to prevent unauthorized access.
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8. Exposure Controls / Personal Protection

- **Eye Protection:** Safety goggles or **face shield** recommended.
 - **Skin Protection:**
 - Wear **impervious clothing** to prevent skin contact.
 - Use **synthetic protective gloves**.
 - **Respiratory Protection:** Use **NIOSH-approved respirators** when handling aerosols.
 - **General Hygiene Measures:**
 - Do **not eat, drink, or smoke** in exposed areas.
 - **Wash hands and face thoroughly** after handling.
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9. Physical and Chemical Properties

- **Appearance:** Clear liquid
- **Solubility in Water:** Miscible
- **Explosive Properties:** Non-explosive
- **pH (1% solution):** 7.5 – 8.5

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- **Density:** Approx. 1.04 g/L
 - **Boiling Point:** Approx. 100°C
 - **Storage Stability:** Stable for 3 years under normal conditions.
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10. Stability and Reactivity

- **Stability:** Stable under normal conditions.
 - **Conditions to Avoid:** Excessive heat and strong oxidizers.
 - **Incompatible Materials:** Zinc, brass, aluminum, cold-rolled steel.
 - **Hazardous Decomposition:** May produce toxic fumes (carbon and nitrogen oxides) when heated.
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11. Toxicological Information

- **Acute Oral Toxicity (LD50, Rats):** >5000 mg/kg
 - **Acute Dermal Toxicity (LD50, Rabbits):** >2000 mg/kg
 - **Acute Inhalation Toxicity (LC50, Rats):** >3.27 mg/L
 - **Eye Irritation (Rabbit):** Reversible irritation
 - **Skin Irritation (Rabbit):** Non-irritant
 - **Skin Sensitization (Guinea Pig):** Non-sensitizer
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12. Ecological Information

- **Bird Toxicity:**
 - **Bobwhite Quail & Mallard Ducks Acute Oral LC50:** >2150 mg/kg
 - **Dietary LC50 (8 days):** >5000 mg/kg
- **Fish Toxicity:**
 - **Bluegill Sunfish LC50 (96h):** 420 mg/L

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- **Rainbow Trout LC50 (96h): 340 mg/L**
 - **Bee Toxicity:**
 - **Oral LD50 (48h): >24.6 g/bee**
 - **Contact LD50 (48h): >100 g/bee**
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13. Disposal Considerations

- **Pesticide Disposal:**
 - Dispose of in **pesticide incinerators** or **alkaline hydrolysis**.
 - **Do not dump in landfills or waterways.**
 - **Container Disposal:**
 - Triple-rinse containers before disposal.
 - **Do not reuse** containers; send for recycling or proper disposal.
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14. Transport Information

- **UN Number: 3082**
- **ADR/RID Classification:**
 - **Proper Shipping Name:** Environmentally hazardous substance, solid, n.o.s.
 - **Hazard Class: 9**
 - **Hazard ID: 90**
- **IMDG/IMO Classification:**
 - **Class: 9**
 - **Packaging Group: III**
- **ICAO/IATA Classification:**
 - **Class: 9**
 - **Packaging Group: III**

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15. Regulatory Information

- **EU Classification:** Xi (Irritant), C (Corrosive)
- **Risk Phrases (R-Phrases):**
 - **R21/22:** Harmful in contact with skin and if swallowed.
 - **R36/38:** Irritating to eyes and skin.
 - **R52:** Harmful to aquatic organisms.
- **Safety Phrases (S-Phrases):**
 - **S1/2:** Keep locked up and out of reach of children.
 - **S24/25:** Avoid contact with skin and eyes.
 - **S26:** If in eyes, rinse immediately and seek medical help.
 - **S36/37/39:** Wear protective clothing, gloves, and eye/face protection.
 - **S61:** Avoid release into the environment.

16. Other Information

- **WHO Toxicity Classification:** III (Slightly Hazardous)
- **Manufacturer Disclaimer:** Information provided is believed to be accurate but **no liability** is assumed for misuse.