SHANGHAI BOSMAN INDUSTRIAL CO., LTD.
Add: Room 1804, No.1611, North Sichuan Road, Hongkou District, Shanghai, P.R. China.
Tel: +86 21 63065878 | **Fax:** +86 21 63065878 | **E-mail:** info@bosmangroup.com
Website: www.bosmanagrochem.net

Version: 1.0 Issue date: June 1, 2026

MATERIAL SAFETY DATA SHEET OF

IMAZAPIC 240G/L SL

1. IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Supplier: Shanghai Bosman Industrial Co., Ltd.

Street address: Rm. 1804, No.1611, North Sichuan Road, Hongkou District, Shanghai, P.R. China.

FAX: +86 21 63065878

TEL: +86 21 63065878

Product name: Imazapic 240g/L SL

Product use: Herbicide

2. COMPOSITION/INFORMATION ON INGREDIENTS

Formulation Type: Soluble concentrate (SL)

IUPAC name: (RS)-2-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)-5-methylnicotinic acid

Molecular Formula: $C_{14}H_{17}N_3O_3$

Molecular Weight: 275.3

Other ingredients determined not to be hazardous

INGREDIENT	CAS NO	PROPORTION
Imazapic	104098 - 48 - 8	240g/L min.
Inerts	Not available	Up to 1L

3. HAZARDS IDENTIFICATION

Classification of the substance or mixture:

Not classified

Label elements

Signal word: None

Hazard pictograms

Not classified

Precautionary statements

P101 - If medical advice is needed, have product container or label at hand

P102 - Keep out of reach of children

P103 - Read label before use

4. FIRST AID MEASURES

General: Have the product container, label or Material Safety Data Sheet with you when going for treatment. Tell the person contacted the complete product name, and the type and amount of exposure. Describe any symptoms and follow the advice given.

Skin contact: Wash with plenty of soap and flowing water for at least 15 minutes while removing contaminated clothing. Wash clothing before reuse.

Eye contact: Immediately flush with flowing water for at least 15 minutes. Seek medical attention if irritation occurs.

Ingestion: Have person sip a glass of water if able to swallow. Do not induce vomiting unless told by a poison control center or doctor. Do not give anything to an unconscious person. Seek medical treatment immediately.

Inhalation: Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Seek medical treatment.

Note to physician: No specific antidote. Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flash point: none

Extinguishing media Recommended: Water fog, foam, dry chemical, carbon dioxide (CO2)

Unusual fire and explosion hazards: None.

Environmental precautions: see section 6.

Hazardous products of combustion: if on fire, toxic fumes may occur

Fire fighting equipment Self-contained breathing apparatus. Equipment should be thoroughly decontaminated after use.

6. ACCIDENT RELEASE MEASURES

Ventilation:

Ensure adequate ventilation at the spillage site if possible.

Environmental precautions:

In case of large spillage of this product, avoid contact, isolate area and keep out animals and unprotected persons.

For small spills wear personal protective equipment as specified by the label.

Dike and contain the spill with inert material (sand, earth, etc.,) and transfer the liquid and solid Diking materials to separate container for disposal.

Methods for cleaning up:

Pesticide wastes are actually hazardous. Wastes resulting from the product may be disposed of on site at an approved waste disposal facility. Improper disposal of excess pesticide, spray mix or rinsate is a violation of the South Africa law. If these waste cannot be disposed of according to label instructions, contact the state agency responsible for pesticide

7. HANDLING AND STORAGE

Handling: Read the label before use. Keep out of reach of children. Harmful if swallowed. Causes skin irritation and sensitivity. Avoid contact with skin and clothing. After work, remove protective clothing and equipment, wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Clean up spilled material immediately, and wash clothes, equipment and work area after use.

Storage: Store in tightly closed original container in a cool, dry well-ventilated area out of direct sunlight when not in use. This product can be stored in an unheated building. Do not store with food, feed stuffs, fertilizers and seeds. See product label for further handling/storage precautions relative to the end use of this product.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits: No exposure limits have been established for this material.

Engineering controls: To keep exposure to airborne contaminants below exposure limits, proper ventilation is required when handling or using this product. Local mechanical exhaust ventilation may be required. Facilities storing or using this material should be equipped with an eyewash facility and a safety shower.

Personal protective equipment (PPE):

Skin protection: All pesticide handlers must wear a long-sleeved shirt and long pants and shoes plus socks. Waterproof gloves are recommended when mixing, loading or cleaning equipment.

Eye protection: Safety goggles are recommended when mixing, loading or cleaning equipment.

User safety recommendations: Do not get in eyes or get in or on clothing. Avoid breathing vapor or spray mist. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Wash thoroughly with soap and water after handling. Remove contaminated clothing immediately and wash before reuse. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Light yellow liquid

pH: NA

Density: NA

Solubility in Water: soluble in water

Oxidising Properties: Not oxidising.

Explosive Properties: Not explosive.

10. STABILITY AND REACTIVITY

Chemical stability: Product is normally stable.

Conditions to avoid: Heat, flames and sparks.

Hazardous decomposition: if on fire, toxic fumes may occur

Incompatible materials: Avoid strong oxidizing agents.

Hazardous reactions: Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

The following information is for Imazapic TC

Acute toxicity:

Oral: LD_{50} (rat): >5,000 mg/kg

Dermal: LD_{50} (rat): >2,000 mg/kg

Inhalation: LC_{50} (rat): >4.8 mg/L

Irritant properties:

Skin: (Rabbit) no irritation

Eye: (Rabbit) slight irritating

Chronic toxicity:

NOEL (90 d) for rats 20 000 ppm (1625 mg/kg daily). Dermal NOEL (21 d) for rabbits 1000 mg/kg.

Teratogenicity

NOEL (maternal) for rats 1000, rabbits 500 mg/kg daily; (foetal) for rats 1000, rabbits 700 mg/kg daily.

Other

Non-mutagenic, non-genotoxic, non-carcinogenic, non-teratogenic.

12. ECOLOGICAL INFORMATION

The following information is for Imazapic TC

Ecotoxicity:

Birds Oral LD50 for mallard ducks and bobwhite quail >2150 mg/kg. LC50 (8 d) for mallard ducks and bobwhite quail >5000 ppm.

Fish LC50 (96 h) for channel catfish, rainbow trout and bluegill sunfish >100 mg/l.

Daphnia LC50 (48 h) >100 mg/l.

Algae EC50 (120 h) for Selenastrum >51.7, Anabaena >49.9, Skeletonema >44.1, Navicula >46.4 μg/l.

Bees LD50 (contact) >100 μg/bee.

13. DISPOSAL CONSIDERATION

Pesticide disposal: Wastes resulting from the use of this product that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, state or local procedures. Emptied container retains vapor and product residue. Observe all labeled safeguards until container is cleaned, reconditioned, or destroyed.

Container disposal: For plastic containers, triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. For refillable containers, do not reuse the container except for refill in accordance with Toll Repackaging Agreement. If not refilled or returned to the authorized repackaging facility, triple rinse container, then puncture and dispose of in a sanitary landfill, or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. For bulk containers, triple rinse (or equivalent) and wash with appropriate cleaners before reusing.

14. TRANSPORT INFORMATION

UN Number: 3082

UN Proper shipping name: Environmentally hazardous substance, liquid, N.O.S. (contains imazapic)

Transport hazard class: 9

Packing group: III

15. REGULATARY INFORMATION

Follow all local and international laws and regulations.

16. OTHER INFORMATION

Version: 1.0

Issue date: June 1, 2025

This MSDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of the how the product will be handled and used in the workplace including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made the user should contact this company.

-END OF MSDS -