



SHREEJI PESTICIDES PVT. LTD
(A SUBSIDIARY OF WILLOWOOD CHEMICALS PVT. LTD)

Material safety data sheet IMAZETHAPYR 10% SL

1. IDENTIFICATION OF COMPANY & PRODUCT

Product Name : Imazethapyr 10% SL
Chemical Name : 5-ethyl-2-[(RS)-4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl] nicotinic acid
Users : **Herbicide**

Molecular Formula : C₁₅H₁₉N₃O₃
Manufacturer : SHREEJI PESTICIDES PVT LTD.
Address : Plot No. 69/P, Village - Manjusar, Tal. Savli, Dist. Vadodara - 391775
Gujarat, India :
Tele Fax Number 91 2667 264701

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Cas #	Percent Or Content(W/W)
Imazethapyr a.i. (based on 90% purity)	81335-77-5	11.11 %
Related Compounds	-	88.89 %

3. HEALTH HAZARDS IDENTIFICATION

Ingestion Product is harmful if swallowed.

Inhalation Harmful

Eye irritation May cause moderate eye irritation.

Skin irritation Moderate irritant to skin. Harmful if absorbed through the skin. Prolonged or frequent repeated skin contact may cause allergic reactions in some individuals.

4. FIRST AID MEASURES

Eye contact immediately flush the contaminated eyes with gently flowing clean water for 15 to 20 minutes, occasionally lifting the upper and lower lids. Seek medical advice.

Skin contact Move the victim from the source of contamination and remove all contaminated clothing, shoes and leather goods. Gently wipe off excess chemical. Wash affected skin areas gently and thoroughly with water and nonabrasive soap, for at least 15 to 20 minutes. Do not rub the skin. If irritation persists, seek medical advice.



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Ingestion Do not induce vomiting. Never give anything by mouth to an unconscious person. Obtain medical attention immediately. Qualified medical personnel should perform administration of oxygen. If the person is alert, rinse mouth thoroughly with water and give person glass of water to drink.

Inhalation Move the victim to fresh air or remove source of contamination. Keep person warm and at rest. Treat symptomatically and supportively as and when required. Qualified personnel should perform administration of oxygen. Get medical attention immediately.

Note to Physician there is no antidote. Treat symptomatically and supportively. In cases of ingestion of large amounts, gastric lavage may be indicated.

5. FIRE FIGHTING MEASURES

FLASH POINT: > 100°C

FLAMMABLE LIMITS: LFL/UFL: Not applicable.

EXTINGUISHING MEDIA: Foam, CO₂, dry chemical, water spray.

HAZARDOUS DECOMPOSITION PRODUCTS: No hazardous decomposition products if stored and handled as prescribed/indicated. Prolonged thermal loading can result in products of degradation being given off.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Possible thermal decomposition products: carbon monoxide, nitrogen dioxide, nitrogen oxide, hydrocarbons. If product is heated above decomposition temperature toxic vapours may be released.

FIRE-FIGHTING PROCEDURES: Firefighters should be equipped with self-contained breathing apparatus and turn-out gear. Evacuate area of all unnecessary personnel. Contain contaminated water/firefighting water. Do not allow to enter drains or waterways.

6. ACCIDENTAL RELEASE MEASURES

In case of spills

Soak up with absorptive material such as damp earth or sand or other suitable non-combustible absorbent material. Place the material into a clean, dry container and cover for subsequent disposal. Label containers with its content and dispose it in accordance with local regulations. In situations where product comes in contact with water, contain contaminated water for later disposal. Prevent material from spreading by damming in with absorptive material. Do not flush spilled material into drains. Keep spectators away and upwind. Open burning or dumping of this material is prohibited. Do not get water inside containers.



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7. HANDLING AND STORAGE

Handling Information

Harmful in contact with skin and eyes and if swallowed. Avoid contact with eyes and skin, and inhalation of spray and Vapour. Use with adequate ventilation. Wash hands before eating, drinking, chewing gum, smoking, or using the toilet.

Operators should change and wash clothing daily. Remove clothing immediately if the product gets inside. Then wash skin thoroughly using a non-abrasive soap and put on clean clothing.

Do not apply directly to areas where surface water is present, or to intertidal areas below the mean high water mark. Water used to clean equipment must be disposed of correctly to avoid contamination.

Storage information

Keep under lock and key and out of reach of unauthorized persons, children and animals. Store in its original labeled container in isolated, dry, cool and well-ventilated area. Not to be stored next to foodstuffs and water supplies. Store away from incompatible substances.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye protection

The use of safety goggles and face-shield to prevent contact is recommended.

Skin protection

Employee must wear appropriate protective (impervious) clothing and equipment to prevent repeated or prolonged skin contact with this substance. Employee must wear appropriate synthetic protective gloves to prevent contact with this substance.

Ingestion

Prevent eating, drinking, tobacco usage and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

Breathing protection

An approved respirator suitable for protection from mists of pesticides is adequate. Limitations of respirator use specified by the approved agency and the manufacturer must be observed.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Clear liquid
Solubility in water	: Miscible
Explosive properties	: Non explosive.
pH	: 7.5 – 8.5 (1% solution)



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density : Approx. 1.04 g/L.
Boiling Point : Approx. 100°C
Storage stability : Excellent stability under normal storage and field conditions for a minimum of 3 years.

10. STABILITY AND REACTIVITY

Stability: Stable at normal temperature and pressure.

Conditions to avoid: Avoid excessive temperatures.

Materials to avoid: Acts as a mild oxidant in the presence of zinc, brass, aluminum and cold rolled steel.

Hazardous reactions: No hazardous reactions if stored and handled as prescribed/indicated.

Hazardous decomposition products: On heating, toxic fumes, such as oxides of carbon and nitrogen, may be produced. Vapours may form explosive mixture with air.

11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity LD50 (Rats) >5000 mg/kg

Acute Dermal Toxicity LD50 (Rabbits) >2000 mg/kg

Acute Inhalation LC50 (rats) : >3.27 mg/L

Eye Irritation Rabbit: Reversible eye irritant

Skin Irritant Rabbit: Non-irritant

Skin sensitization Guinea pig: Non-sensitizer

12. ECOLOGICAL INFORMATION

Birds

Acute oral LC50 for bobwhite quail and mallard ducks >2150 mg/kg

Dietary LC50 (8 d) bobwhite quail and mallard ducks >5000 mg/kg

Fish

LC50 (96 h) for bluegill sunfish 420 mg/l,

Rainbow trout 340 mg/l

Bees

LD50 (48 h) (oral) : >24.6 g/bee

LD50 (48 h) (contact) : >100 g/bee



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13. DISPOSAL CONSIDERATIONS

Pesticide disposal: Contaminated absorbents, used containers, surplus product, etc., should be burnt in an incinerator, preferably designed for pesticide disposal. Hydrolysis under alkaline conditions (10% w/v sodium hydroxide) is a suitable method to dispose of small quantities of atrazine. Heating speeds up the process. After hydrolysis, dilute and dispose of via the sewage system. Atrazine is relatively stable and characterized by high mobility in some soils and should not be buried in dump sites, landfills, etc. Comply with any local legislation applying to waste disposal.

Package product wastes: Emptied containers retain vapor and product residues. Observe all labeled safeguards until container is cleaned, reconditioned, or destroyed. Combustible containers should be disposed of in pesticide incinerators. Non-combustible containers must first be triple-rinsed with water, punctured and transported to a scrap metal facility for recycling or disposal.

14. TRANSPORT INFORMATION

ADR/RID:

UN number: 3082

Proper shipping name: Environmentally hazardous substance, solid, n.o.s.

Hazard ID no.: 90

Class: 9

IMDG/IMO:

Proper shipping name: Environmentally hazardous substance, solid, n.o.s.

Class: 9

Packaging group: III

ICAO/IATA:

Proper shipping name: Environmentally hazardous substance, solid, n.o.s.

Class: 9

Packaging Group: III

15. REGULATORY INFORMATION

EU- Classification	Xi	Irritant
Hazard Symbol	C	Corrosive

Risk Phrases (R-Phrases)



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R21/22 Harmful in contact with skin and if swallowed
R36/38 Irritating to eyes and skin
R52 Harmful to aquatic organisms

Safety Advice (S- Phrases)

S1/2 Keep locked up and out of reach children.
S24/25 Avoid contact with skin and eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S61 Avoid release to the environment. Refer to special instructions/safety data sheet

International WHO Toxicity Classification III Slightly hazardous

16. OTHER INFORMATION

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if we have been advised of the possibility of such damages.