

SAFETY DATA SHEET
IMAZETHAPYR 10% SL
(PASSPORT)**1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING**

Product name:	IMAZETHAPYR 10% SL
Use / description of product:	Use as an agricultural/horticultural herbicide
Company name:	INDOFIL INDUSTRIES LIMITED Kalpataru Square, 4th Floor, Kondivita Road, Off. Andheri Kurla Road, Andheri (E), Mumbai 400 059, Maharashtra, India Email: customercare@indofil.com Toll Free No.:1800-120-003-004

2. HAZARDS IDENTIFICATION

GHS Classification

Hazard Symbol



Signal word:

WARNING

Hazard statement(s):

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H302 Harmful if swallowed.

P273 Avoid release to the environment.
P391 Collect spillage.
P501 Dispose of contents/ container in accordance with national regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS	%
Active ingredient (Imazethapyr based on 90% purity)	81335-77-5	11.11
Inert ingredients	-----	QS to 100

4. FIRST AID MEASURES**Most Important symptoms and effects, both acute and delayed****Skin contact**

There may be mild irritation at the site of contact

Eye contact

There may be irritation and redness. The vision may become blurred

Ingestion

There may be soreness and redness of the mouth and throat

Description of first aid measures**In general**

Never give fluids or induce vomiting if patient is unconscious or is having convulsions.

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After Ingestion	Do not induce vomiting. Provided the patient is conscious. wash mouth with water and give plenty of water to drink. Consult a physician. The decision of whether to induce vomiting or not should be made by a physician.
After eye contact	Flush eyes thoroughly with water for several minutes. Remove contact lenses after initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist.
After skin contact	Immediately wash skin with soap and plenty of water. Consult a physician if irritation develops.
After Inhalation	Remove victim to fresh air. Consult a physician if irritation develops

Indication of any immediate medical attention and special treatment needed

Supportive care. No specific antidote. Treat symptomatically and give supportive therapy.

5. FIRE-FIGHTING MEASURES

Extinguishing media:	Water spray. Carbon dioxide. Dry chemical powder.
Exposure hazards:	May form flammable / explosive mixture.
Protection of fire-fighters:	Do not enter fire areas without proper protective equipment, including respiratory protection. Use self-contained breathing apparatus when in close proximity to fire.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Eliminate all sources of ignition. Use appropriate protection.
Environmental precautions:	Dispose of this material and its container at hazardous or special waste collection point if the product has contaminated surface water, inform the appropriate authorities.
Clean-up procedures:	Transfer to a closable, labelled salvage container for disposal by an appropriate method. Clean up spills as soon as possible, using an absorbent material to collect it.

7. HANDLING AND STORAGE

Handling requirements:	Avoid ingestion, skin and eye contact. Prevent entry to sewers and public waters. When using, do not eat, drink or smoke.
Storage conditions:	Store in tightly closed, well ventilated area away from heat, sparks, open flame. Keep in original containers. Keep out of reach of children. Never allow the product to become wet during storage. This may lead to chemical changes, which will reduce the effectiveness as a herbicide.
Suitable packaging:	Must only be kept in original packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures:	Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.
Respiratory protection:	Wear approved respirator.
Hand protection:	Wear protective gloves Requirements can vary as a function of the use. Therefore, it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.
Eye protection:	Safety goggles or face shields.
Skin protection:	Mixers and loaders must wear overalls, protective goggles and chemical-resistant apron. Applicators and other handlers must wear overalls, goggles and waterproof gloves. Any clothing or other absorbent material which has been drenched or heavily contaminated must be discarded.

9. PHYSICAL AND CHEMICAL PROPERTIES

State:	Liquid
Colour:	Clear liquid
Odour:	Not available
Solubility in water:	Miscible in water
pH:	7.5 To 8.5 (1% solution)

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to avoid:	Direct sunlight, sources of heat, open flame. Decomposes upon heating.
Hazardous decomp. products:	Thermal decomposition may generate: Carbon monoxide, carbon dioxide, nitrogen oxides, chlorides.

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients:	IMAZETHAPYR
<u>Acute toxicity (Assessment largely or completely based on data for active substance)</u>	
Acute Oral LD ₅₀ (Rat)	> 5000 mg/kg
Acute Dermal LD ₅₀ (Rabbits)	> 2000 mg/kg
Acute Inhalation LD ₅₀	> 3.27 mg/L
EYE Irritation (Rabbit)	Reversible eye irritant
SKIN Irritation (Rabbit)	Not an irritant
Skin Sensitization (Guinea Pig)	Non Sensitizer

12. ECOLOGICAL INFORMATION

Ecotoxicity: (Assessment largely or completely based on data for active substance)

<u>Aquatic toxicity:</u>	Material is very toxic to aquatic organisms.
Fish	
LC ₅₀ (96 h,)	Rainbow Trout 340 mg/L, Bluegill sunfish 420 mg/L
Algae EC ₅₀ (72 hr)	<i>No data</i>
Daphnia EC ₅₀ (48 hr)	No data
Bird	
Acute Oral, LD ₅₀ (9-11 d)	Mallard ducks > 2150 mg/kg
Acute dietary, LC ₅₀ (5 d)	Bobwhite quail & mallard ducks > 5000 mg/kg diet.
Honey Bee	
LD ₅₀ (oral)	> 24.6 µg/bee;
LD ₅₀ (contact)	> 100 µg/bee.
Earthworm	
LC ₅₀ (14 d)	No data
Environmental Fate	
Persistence and Degradability:	No data
Bio-accumulation potential:	No data
Mobility in soil:	No data

13. DISPOSAL CONSIDERATIONS

Disposal operations:	Do not contaminate water, food or feed by disposal. Wastes resulting from the use of this product may be disposed of at an approved waste disposal facility.
Disposal of packaging:	Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

U.S> Department of Transportation (DOT)	
Bulk	
UN no:	3082
Shipping name:	Environmentally Hazardous Substance, liquid, n.o.s. (10% Imazethapyr)
Hazard Class:	9
Packing group:	III
Land Transport (ADR / RID)	
UN no:	3082
Shipping name:	Environmentally Hazardous Substance, liquid, n.o.s.

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Marine Transport (IMDG / IMO)

UN no: 3082
Shipping name: Environmentally Hazardous Substance, liquid, n.o.s.
 (10% Imazethapyr)
Hazard Class: 9
Packing group: III
Marine pollutant: Yes
EmS: F-A, S-F

Air transport (IATA / ICAO)

UN no: 3082
Shipping name: Environmentally Hazardous Substance, liquid, n.o.s.
 (10% Imazethapyr)
Hazard Class: 9
Packing group: III
Cargo Packing instructions: ---

15. REGULATORY INFORMATION

EU- Classification	Xi	Irritant
Hazard Symbol	C	Corrosive
Risk Phrases (R-Phrases)	R21/22 R36/38 R52	Harmful in contact with skin and if swallowed Irritating to eyes and skin Harmful to aquatic organisms
Safety Advice (S- Phrases)	S1/2 S24/25 S26 S 36/37/39	Keep locked up and out of reach children. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. 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

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This

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Issued date: 22.10.2022
Revised date: 29.02.2024
Revision No.:01
Ref: IIL/IMZTPYR10SL

company shall not be held liable for any damage resulting from handling or from contact with the above product.