

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name: IMIDACLOPRID 17.8% SL
Use / description of product: Use as an agricultural/horticultural insecticide
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:****Hazard statement(s):****WARNING**

H303 May be harmful if swallowed.

H320 Causes eye irritation.

P260 Do not breathe dust/ fume/ gas/ mist/ vapours/spray.

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

P280 Wear protective gloves/ eye protection/ face protection.

P284 Wear respiratory protection.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS	%
Active ingredient (Imidacloprid)	138261-41-3	17.8
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.

After Ingestion

Do not induce vomiting. Provided the patient is conscious, wash mouth with water and give plenty of water to drink. Consult a

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	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:	Exposure to decomposition products may be a hazard to health.. In combustion emits toxic fumes of sulphur Oxides, nitrogen oxides, carbon dioxide / carbon monoxide.
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 an insecticide.
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:	Yellowish clear transparent
Odour:	Not available
Solubility in water:	Soluble 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:	IMIDACLOPRID
<u>Acute toxicity (Assessment largely or completely based on data for active substance)</u>	
Acute Oral LD ₅₀ (Rat)	3217 mg/kg
Acute Dermal LD ₅₀ (Rabbits)	> 2000 mg/kg
Acute Inhalation LD ₅₀	> 5.656 mg/L
EYE Irritation (Rabbit)	Not an 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)

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Aquatic toxicity:Material is toxic to aquatic organisms.

Fish

LC ₅₀ (96 h,)	2661 mg/L of water
Algae EC ₅₀ (72 hr)	No data
Daphnia EC ₅₀ (48 hr)	134.89 mg/L of water

Bird

Acute Oral, LD ₅₀ (9-11 d)	No data
Acute dietary, LC ₅₀ (5 d)	No data

Honey Bee

LD ₅₀ (oral)	> 57.54 µg/bee;
LD ₅₀ (contact)	No data

Earthworm

LC ₅₀ (14 d)	No data
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Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Do NOT allow product to come in contact with surface waters or to intertidal areas below the mean high water mark for neonicotinoids:

The neonicotinoids are a class of insecticides with a common mode of action that affects the central nervous system of insects, causing paralysis and death.

Environmental fate:

Due to the special pattern of substituents in the molecule imidacloprid does not show base-like properties under environmental conditions.

13. DISPOSAL CONSIDERATIONS

Disposal operations:

Open dumping or burning of this material or its packing is prohibited. If spilled material cannot be disposed of by use according to label instructions, an acceptable method of disposal is to incinerate in accordance with local, state and national environmental laws, rules, standards and regulations. However, because acceptable methods of disposal may vary by location and regulatory requirements may change, the appropriate agencies should be contacted prior to disposal.

Disposal of packaging:

Completely empty package into application equipment then dispose of empty package in accordance with all Federal, State and local regulations.

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: 2902
Shipping name: Environmentally Hazardous Substance, liquid, n.o.s. (Imidachloprid 17.8% SL)
Hazard Class: 6.1
Packing group: III

Land Transport (ADR / RID)

UN no: 2902
Shipping name: Environmentally Hazardous Substance, liquid, n.o.s. (Imidachloprid 17.8% SL)
Hazard Class: 6.1
Packing group: III

Marine Transport (IMDG / IMO)

UN no: 2902
Shipping name: Environmentally Hazardous Substance, liquid, n.o.s. (Imidachloprid 17.8% SL)
Hazard Class: 6.1
Packing group: III
Marine pollutant: Yes
EmS: F-A, S-F

Air transport (IATA / ICAO)

UN no: 2902
Shipping name: Environmentally Hazardous Substance, liquid, n.o.s. (Imidachloprid 17.8% SL)
Hazard Class: 6.1
Packing group: III
Cargo Packing instructions: ---

15. REGULATORY INFORMATION

EU- Classification
Hazard Symbol

Xi

Irritant

Xn



Harmful or Irritant

N



Dangerous for environment

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

Keep locked up and out of reach children.
 Avoid contact with skin and eyes.

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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

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