

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

Product name: **THIAMETHOXAM 25% WG**
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.
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2. HAZARDS IDENTIFICATION**GHS Classification****Hazard Symbol:****Signal word:****WARNING****Hazard statement(s):****H302** Harmful if swallowed.
H410 Very Toxic to aquatic life with long lasting effectsP260 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 (Thiamethoxam)	153719-23-4	25
Other ingredients	-----	QS to make up 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

	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 to fresh air. Consult a physician if irritation develops

Indication of any immediate medical attention and special treatment needed

Supportive care. No specific antidote. Treatment based on judgement of physician, in response to symptoms of patient.

5. FIRE-FIGHTING MEASURES

Extinguishing media:	Water spray. Carbon dioxide. Dry chemical powder.
Exposure hazards:	May form flammable / explosive dust-air mixture. In combustion emits toxic fumes of sulphur Oxides, nitrogen oxides, carbon dioxide / carbon monoxide.
Protection of fire-fighters:	Wear self-contained breathing apparatus. Run-off from fire control may be a pollution hazard. If area is not too heavily exposed to fire, and if conditions permit, let fire burn itself out, since water may increase the contamination hazard.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Eliminate all sources of ignition. Do not create dust.
Environmental precautions:	Do not discharge into drains or rivers. Contain the spillage using bunding.
Clean-up procedures:	Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean-up procedure which may produce sparks.

7. HANDLING AND STORAGE

Handling requirements:	Ensure there is sufficient ventilation of the area. Smoking is forbidden. Use non-sparking tools. When handling do not eat, drink or smoke.
Storage conditions:	Store in cool, well ventilated area. Keep away from sources of ignition. Keep container tightly closed. Keep in original containers, 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 and could create flammable vapours.
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.
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Respiratory protection:

Hand protection:

Eye protection:

Skin protection:

Wear approved respirator.

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.

Safety goggles.

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:	Solid Granules
Colour:	Off white to Beige
Odour:	Musty
Solubility in water:	Forms suspension in water
pH	6 - 8 (1% dispersion)
Flash point °C:	Not Applicable

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to avoid:	Acids and moisture (in storage)
Hazardous decomp. products:	Exposure to elevated temperatures can cause product to decompose.

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients:	THIOMETHOXAM
<u>Acute toxicity (Assessment largely or completely based on data for active substance)</u>	
Acute Oral LD ₅₀ (Rat)	2918 mg/kg
Acute Dermal LD ₅₀ (Rat)	>5000 mg/kg
Acute Inhalation LD ₅₀	> 2.78 mg/L
EYE Irritation (Rabbit)	May cause eye irritation.
SKIN Irritation (Rabbit)	irritant
Skin Sensitization (Guinea Pig)	sensitizing to Guinea pig skin

12. ECOLOGICAL INFORMATION

Ecotoxicity

Very toxic to aquatic organism, 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. Do not contaminate water when cleaning equipment or disposing of equipment wash-waters. Wastes resulting from use of the product must be disposed of on site or at approved waste sites.

Environmental Fate

The information presented here is for the active ingredient, Thiamethoxam. Not persistent in soil. Stable in water. Moderate mobility in soil. Floats in water (after 24 h).

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:

3077

Shipping name:

Environmentally Hazardous Substance, solid, n.o.s.
(Thiomethoxam)

Hazard Class:

9

Packing group:

III

Land Transport (ADR / RID)

UN no:

3077

Shipping name:

Environmentally Hazardous Substance, solid, n.o.s.
(Thiomethoxam)

Hazard Class:

9

Packing group:

III

Marine Transport (IMDG / IMO)

UN no:

3077

Shipping name:

Environmentally Hazardous Substance, solid, n.o.s.
(Thiomethoxam)

Hazard Class:

9

Packing group:

III

Marine pollutant:

Yes

EmS:

F-A, S-F

Air transport (IATA / ICAO)

UN no:

3077

Shipping name:

Environmentally Hazardous Substance, solid, n.o.s.
(Thiomethoxam)

Hazard Class:

9

Packing group:

III

Cargo Packing instructions:

15. REGULATORY INFORMATION**Classification and User Label Information****Hazard Symbol**

Xn - Harmful..



N - Dangerous for the Environment

Risk Phrases

R22 - Harmful if swallowed.

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases

S35 - This material and its container must be disposed of in a safe way.

S57 - Use appropriate containment to avoid environmental contamination. To avoid risks to man and the environment, comply with the instructions for use

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

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.