

# SAFETY DATA SHEET

## THIFLUZAMIDE 24% SC

### (IGLARE)

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 Issued date: 22.10.2021  
 Revised date: 04.08.2023  
 Revision No. : 01  
 Ref: IIL/THI24SC

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

<b>Product name:</b>	<b>THIFLUZAMIDE 24% SC</b>
<b>Use / description of product:</b>	Use as an agricultural/horticultural fungicide
<b>Company name:</b>	INDOFIL INDUSTRIES LIMITED Kalpataru Square, 4th Floor, Kondivita Road, Off. Andheri Kurla Road, Andheri (E), Mumbai 400 059, Maharashtra, India. Email: <a href="mailto:customercare@indofil.com">customercare@indofil.com</a> Toll Free No.: 1800-120-003-004

## 2. HAZARDS IDENTIFICATION

**GHS Classification**

**Hazard Symbol**



**Signal word:**

**Hazard statement(s):**

**WARNING**

H315 Causes skin irritation.  
 H319 Causes serious eye irritation.  
 H412 Harmful to aquatic life with long lasting effects.  
 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.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS	%
Active ingredient (Thifluzamide)	130000-40-7	24
Other ingredients	-----	QS to make up 100

## 4. FIRST AID MEASURES

**Most Important symptoms and effects, both acute and delayed**

**Skin contact**

**Eye contact**

**Ingestion**

There may be mild irritation at the site of contact  
 There may be irritation and redness. The vision may become blurred  
 There may be soreness and redness of the mouth and throat

**Description of first aid measures**

**In general**

**After Ingestion**

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

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.

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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 a fungicide 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.

**Respiratory protection:**

Wear approved respirator.

**Hand protection:**

Protective gloves

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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**

<b>State:</b>	Liquid
<b>Colour:</b>	<b>Light Brown to Off white</b>
<b>Odour:</b>	Mild odour
<b>Solubility in water:</b>	Forms suspension in water
<b>pH</b>	4 - 8 (1% dispersion)
<b>Specific Gravity</b>	1.15 +/- 0.04 gm/ml

**10. STABILITY AND REACTIVITY**

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

**11. TOXICOLOGICAL INFORMATION**

<b>Hazardous ingredients:</b>	THIFLUZAMIDE
<b><u>Acute toxicity (Assessment largely or completely based on data for active substance)</u></b>	
Acute Oral LD <sub>50</sub> (Rat)	6500 mg/kg
Acute Dermal LD <sub>50</sub> (Rat)	>5000 mg/kg
Acute Inhalation LD <sub>50</sub>	> 5 mg/ (4h)
EYE Irritation (Rabbit)	May cause eye irritation.
SKIN Irritation (Rabbit)	irritant
Skin Sensitization (Guinea Pig)	sensitizing to Guinea pig skin

**12. ECOLOGICAL INFORMATION**

<b>Ecotoxicity</b>	
<b>Bird Oral LD50</b>	> 2250 mg/kg (Bobwhite quail and Mallard Ducks)
<b>Dietary Oral LC50</b>	>5620 mg/kg (Bobwhite quail and Mallard Ducks)
<b>Fish LC50</b>	1.2 (96 h) Bluegill Sunfish; 1.3 Rainbow trout; Carp 2.9 mg/l
<b>Daphnia EC50</b>	1.4 ppm (48 h) Algae EC50: 1.3 mg/l Honey Bee LD50: 100
<b>Earthworm LC50 (Contact)</b>	> 1250 mg/kg
<b>Environmental Fate</b>	Animals extensively metabolized by five primary pathways. Plants Thifluzamide residues in the leaf mainly as the parent molecule. Soil / Environment does not degrade readily by hydrolysis. Microbial degradation in soil is slow

**13. DISPOSAL CONSIDERATIONS****Disposal operations:**

Do not contaminate ponds, waterways or ditches with chemical or used container. Do not dispose of waste into sewer. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Do not contaminate water, foodstuffs, feed or seed by storage or disposal

**Disposal of packaging:**

Triple rinse (or equivalent) and offer for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Disposal of waste and packaging must always be in accordance with all applicable 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**

<b>UN no:</b>	3082
<b>Shipping name:</b>	Environmentally Hazardous Substance, n.o.s.(Thifluzamide)
<b>Hazard Class:</b>	9
<b>Packing group:</b>	III

**Land Transport (ADR / RID)**

<b>UN no:</b>	3082
<b>Shipping name:</b>	Environmentally Hazardous Substance, n.o.s.(Thifluzamide)
<b>Hazard Class:</b>	9
<b>Packing group:</b>	III

**Marine Transport (IMDG / IMO)**

<b>UN no:</b>	3082
<b>Shipping name:</b>	Environmentally Hazardous Substance, n.o.s. (Thifluzamide)
<b>Hazard Class:</b>	9
<b>Packing group:</b>	III
<b>Marine pollutant:</b>	Yes
<b>EmS:</b>	F-A, S-F

**Air transport (IATA / ICAO)**

<b>UN no:</b>	3082
<b>Shipping name:</b>	Environmentally Hazardous Substance, , n.o.s.(Thifluzamide)
<b>Hazard Class:</b>	9
<b>Packing group:</b>	III
<b>Cargo Packing instructions:</b>	

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

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.