

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

<b>Product name:</b>	Picoxystrobin 7.05% + Propiconazole 11.71% W/W SC
<b>Use / description of product:</b>	Use as an agricultural 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

**WARNING**

H303 MAY BE HARMFUL IF SWALLOWED.  
 H315 CAUSES SKIN IRRITATION.  
 H317 MAY CAUSE AN ALLERGIC SKIN REACTION.  
 H319 CAUSES SERIOUS EYE IRRITATION.  
 H373 MAY CAUSE DAMAGE TO ORGANS THROUGH  
 PROLONGED OR REPEATED EXPOSURE.  
 H410 VERY TOXIC TO AQUATIC LIFE WITH LONG  
 LASTING EFFECTS  
 P260 DO NOT BREATHE DUST/ FUME/ GAS/ MIST/  
 VOURS/SPRAY.  
 P264 WASH SKIN THOROUGHLY AFTER ANDLING.  
 P270 DO NOT EAT, DRINK OR SMOKE WHEN USING  
 THIS PRODUCT.  
 P271 USE ONLY OUTDOORS OR IN A WELL-  
 VENTILATED AREA.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical name	CAS	% W/W
Active Ingredient (Picoxystrobin)	117428-22-5	7.05
Active Ingredient (Propiconazole)	60207-90-1	11.71
Inert Ingredient	----	81.24

**4. FIRST AID MEASURES**

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

<b>Skin contact</b>	There may be mild irritation at the site
<b>Eye contact</b>	There may be irritation and redness.
<b>Ingestion</b>	There may be soreness and redness of the mouth and throat

**Description of first aid measures**

<b>In general</b>	Never give fluids or induce vomiting if patient is unconscious or is having convulsions. Seek medical advice immediately (show the label where possible)
<b>After Ingestion</b>	Do not induce vomiting. Provided the patient is conscious. Wash mouth with water and give plenty of water to drink. Consult a physician or doctor if you feel unwell.
<b>After eye contact</b>	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
<b>After skin contact</b>	Immediately wash skin with soap and plenty of water. remove and wash contaminated clothing before re-use. Consult a physician if irritation persists.
<b>After Inhalation</b>	Move to fresh air. Consult a physician if you feel unwell.

**Indication of any immediate medical attention and special treatment needed**

No specific antidote. Pay attention to self-protection. Treat supportively and symptomatically.

**5. FIRE-FIGHTING MEASURES**

<b>Extinguishing media:</b>	Water spray or fog. Carbon dioxide. Do not use straight streams. Dry chemical powder.
<b>Exposure hazards:</b>	May form flammable / explosive dust-air mixture. In combustion emits toxic fumes of Sulphur Oxides, nitrogen oxides, carbon dioxide / carbon monoxide.
<b>Protection of fire-fighters:</b>	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**

<b>Personal precautions:</b> contact	Eliminate all sources of ignition. Do not create dust. Avoid with skin and eyes.
<b>Environmental precautions:</b>	Do not discharge into drains or watercourses. Spillage or uncontrolled discharges into water courses (or public waters) to be reported immediately to the Department of Water / Environment affairs.
<b>Clean-up procedures:</b>	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**

<b>Handling requirements:</b>	Wear appropriate protective equipment when handling the product. Ensure there is sufficient ventilation of the area. Smoking is forbidden. Use non-sparking tools. When handling do not eat, drink or smoke.
<b>Storage conditions:</b>	Store in cool, well-ventilated area. Keep away from sources of ignition. Keep container tightly closed. Keep in original labelled 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 vapors.
<b>Suitable packaging:</b>	Must only be kept in original packaging.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

<b>Engineering measures:</b>	Ensure there is sufficient ventilation, especially in confined areas.
<b>Respiratory protection:</b>	Wear approved / certified respirator.
<b>Hand protection:</b>	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.
<b>Eye protection:</b>	Safety goggles with side shields.
<b>Skin protection:</b>	Mixers and loaders must wear overalls, protective goggles and chemical-resistant apron. Applicators and other handlers must wear overalls. Wear two layers of clothing wherever possible. Wear waterproof gloves. Boots. 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>	Off-white colour
<b>Odour:</b>	Characteristic
<b>Solubility in water:</b>	Dispersible
<b>Relative density:</b>	1.0389 g/CC
<b>Oxidizing properties</b>	Not oxidizing

**10. STABILITY AND REACTIVITY**

<b>Stability:</b>	Stable under normal conditions.
<b>Conditions to avoid:</b> ignition.	Keep away from open flames, hot surfaces and source of
<b>Hazardous decomp. products:</b>	Elevated temperature or free water promotes decomposition, which may cause spontaneous combustion. In combustion emits toxic fumes.

### 11. TOXICOLOGICAL INFORMATION

<b>Hazardous ingredients:</b>	Picoxystrobin and Propiconazole
<b><u>Acute toxicity (Assessment largely or completely based on data for active substance)</u></b>	
<b>Propiconazole:</b>	
Acute Oral LD <sub>50</sub> (Rat)	1517 mg/kg
Skin irritation	Not an irritants
Acute Inhalation LC <sub>50</sub> (Rat)	>5.8 mg/l
<b>Picoxystrobin:</b>	
Acute Oral LD <sub>50</sub> (Rat)	LD 50 > 5000 mg/kg body weight
Skin irritation	Not an irritants
Acute Dermal LD <sub>50</sub> (Rat)	LD 50 > 2000 mg/kg body weight

### 12. ECOLOGICAL INFORMATION

<b><u>Aquatic toxicity:</u></b>	Material is very toxic to aquatic organisms.
<b>Propiconazole:</b>	
<b>Fish</b>	
LC <sub>50</sub> (96 h)	for rainbow trout 4.3, for carp 6.8, golden orfe 5.1, sprotte 2.6 mg/lit
<b>Algae EC<sub>50</sub></b>	psuedokirchneriella subcapitata 2.05 mg/lit
<b>Daphnia EC<sub>50</sub> (48 hr)</b>	10.2 mg/lit
<b>Bird</b>	
Acute Oral LD <sub>50</sub> mg /kg	bobwhite quail 2825, Japanese quail 223, mallard ducks >2510
<b>Honey Bee</b>	
LD <sub>50</sub>	>100 (Oral & Contact) mg/bee
<b>Earthworm</b>	
LC <sub>50</sub> (14 d)	> 686 mg/kg Soil
<b>Picoxystrobin:</b>	
<b>Fish</b>	
LC <sub>50</sub> (96 h)	65-75 mg/l
<b>Algae EC<sub>50</sub></b>	Selenastrum-56 µg/l
<b>Daphnia EC<sub>50</sub> (48 hr)</b>	18 µg/l
<b>Bird</b>	
Acute Oral LD <sub>50</sub>	bobwhite quail >2250 mg/kg
<b>Honey Bee</b>	
LD <sub>50</sub>	>200 mg/kg (Oral & Contact) mg/bee
<b>Earthworm</b>	
LC <sub>50</sub> (14 d)	6.7 mg/kg

### 13. DISPOSAL CONSIDERATIONS

<b>Disposal operations:</b>	The product should not be allowed to enter drains, water courses or the soil as per regulations.
<b>Disposal of packaging:</b>	Dispose of in a regulated landfill site or other

method for hazardous or toxic wastes. Do not re-use empty containers.

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

#### 14. TRANSPORT INFORMATION

**UN number**

ADN : UN 3082  
ADR : UN 3082  
RID : UN 3082  
IMDG : UN 3082  
IATA : UN 3082

**U.S. Department of Transportation (DOT) Bulk**

**UN no:** 3082  
**Shipping name:** Environmentally Hazardous Substance, Liquid, no's. (Propiconazole & Picoxystrobin)  
**Hazard Class:** 9  
**Packing group:** III

**Land Transport (ADR / RID)**

**UN no:** 3082  
**Shipping name:** Environmentally Hazardous Substance, Liquid, no's. (Propiconazole & Picoxystrobin)  
**Hazard Class:** 9  
**Packing group:** III

**Marine Transport (IMDG / IMO)**

**UN no:** 3082  
**Shipping name:** Environmentally Hazardous Substance, Liquid, no's. (Propiconazole & Picoxystrobin)  
**Hazard Class:** 9  
**Packing group:** III  
**Marine pollutant:** No data

**Air transport (IATA / ICAO)**

**UN no:** 3082  
**Shipping name:** Environmentally Hazardous Substance, Liquid, no's. (Propiconazole & Picoxystrobin)  
**Hazard Class:** 9  
**Packing group:** III  
**Cargo Packing instructions:** No data

## 15. REGULATORY INFORMATION

**Classification and User Label Information :**

Xn – Harmful

N - Dangerous for the Environment

**Hazard Symbol**



**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.