

Page 1 of 6

Issued date: 22/10/2021 Revised date: 10.07.2023

Revision No: 01 Ref: IIL/PRPCOZ25EC

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

**Product name:** 

Use / description of product:

Company name:

PROPICONAZOLE 25% EC

Use as an agricultural/horticultural fungicide

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):

## **DANGER**

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H316 Causes mild skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

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/ vapours/

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.

P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.

P302 + P352 IF ON SKIN: Wash with soap and water.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.



Page 2 of 6

Issued date: 22/10/2021 Revised date: 10.07.2023

Revision No: 01 Ref: IIL/PRPCOZ25EC

#### 3. COMPOSITION / INFORMATION ON INGREDIENTS

#### 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 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 dust-air mixture. 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



Page 3 of 6

Issued date: 22/10/2021 Revised date: 10.07.2023

Revision No: 01

Ref: IIL/PRPCOZ25EC

waste collection point if the product has contaminated surface

water, inform the appropriate authorities.

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

Clean-up procedures:

**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 fungicide.

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 Brown
Odour: Not available

Solubility in water: Forms emulsion in water

**pH:** 5 To 8



Page 4 of 6

Issued date: 22/10/2021 Revised date: 10.07.2023

Revision No: 01 Ref: IIL/PRPCOZ25EC

### 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:** PROPICONAZOLE

Acute toxicity (Assessment largely or completely based on data for active substance

## 12. ECOLOGICAL INFORMATION

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

Aquatic toxicity: Material is very toxic to aquatic organisms.

Fish

LC<sub>50</sub> (96 h,) Rainbow Trout 4.3 mg/l,

carp 6.8mg/l

Algae EC<sub>50</sub> (72 hr) Pseudokirchneriella subcapitata 2.05 mg/l

**Daphnia** EC<sub>50</sub> (48 hr) EC<sub>50</sub> 0.77 mg/l

Bird

Acute Oral,  $LD_{50}$  (9-11 d) Mallard ducks > 2510 mg/kg

Acute dietary, LC<sub>50</sub> (5 d) Bobwhite quail >5620; mallard ducks > 5620 mg/kg diet.

**Honey Bee** 

 $LD_{50}$  (oral)  $> 100 \mu g/bee;$   $LD_{50}$  (contact)  $> 100 \mu g/bee.$ 

Earthworm

 $LC_{50}$  (14 d) > 686 mg/kg dry soil.

**Environmental Fate** 

Animals: After oral administration to rats, propiconazole is rapidly

absorbed and also rapidly and almost completely eliminated

with urine and faeces.



Page 5 of 6

Issued date: 22/10/2021 Revised date: 10.07.2023

Revision No: 01

Ref: IIL/PRPCOZ25EC

Plants: Degradation proceeds through hydroxylation of the n-propyl

side-chain and deketalisation of the dioxolan ring Partition coefficient, n-octanol/water (log Pow): 1.38

**Soil / Environment:** The main degradation pathways are hydroxylation of the propyl

side-chain and the dioxolane ring, leading finally to formation of

1,2,4-trizole

13. DISPOSAL CONSIDERATIONS

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.

(25% Propiconazole)

Hazard Class: 9
Packing group: III

Land Transport (ADR / RID)

UN no: 3082

Shipping name: Environmentally Hazardous Substance, liquid, n.o.s.

(25% Propiconazole)

Hazard Class: 9
Packing group: III

Marine Transport (IMDG / IMO)

UN no: 3082

Shipping name: Environmentally Hazardous Substance, liquid, n.o.s.

(25% Propiconazole)

Hazard Class: 9
Packing group: III
Marine pollutant: Yes
EmS: F-A, S-F



Page 6 of 6

Issued date: 22/10/2021 Revised date: 10.07.2023

Revision No: 01

Ref: IIL/PRPCOZ25EC

Air transport (IATA / ICAO)

UN no: 3082

Shipping name: Environmentally Hazardous Substance, liquid, n.o.s.

(25% Propiconazole)

Hazard Class: 9
Packing group: III
Cargo Packing instructions: ---

## 15. REGULATORY INFORMATION

**Classification and User Label Information** 

**Hazard Symbol** 



Xn - Harmful..

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.