

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

Product name:	CYMOXANIL 50% WP
Use / description of product:	Use as an agricultural/horticultural fungicide
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

WARNING

H302	HARMFUL IF SWALLOWED
H317	MAY CAUSE AN ALLERGIC SKIN REACTION
H361	SUSPECTED OF DAMAGING THE UNBORN CHILD
H373	MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE (BLOOD, THYMUS)
H410	VERY TOXIC 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.
P280	WEAR PROTECTIVE GLOVES/ EYE PROTECTION/ FACE PROTECTION.
P284	WEAR RESPIRATORY PROTECTION.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS	%
Active ingredient (Cymoxanil)	57966-95-7	50
Other ingredients	-----	QS

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.

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. Seek medical advice immediately (show the label where possible)

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 or Doctor if victim feels unwell.

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:

Keep containers closed and do not handle or store near heat, sparks or any other potential ignition sources. Use only with adequate ventilation and personal protection. Avoid contact with eyes, skin, and clothing. Prevent contact with food and tobacco products. Do not reuse empty bag. When performing repairs and maintenance on contaminated equipment, Keep unnecessary persons away from area. Use gloves and protective clothing if direct contact is anticipated. Provide adequate ventilation. Promptly remove contaminated clothing. Wash exposed skin thoroughly with soap and water after handling.

Storage conditions:

Store and transport in accordance with all applicable laws. Keep containers tightly closed and store in a cool, dry, well-ventilated place, plainly labeled and out of closed vehicles. Keep away from all ignition sources. All electrical equipment in areas where this material is stored or handled should be installed in accordance with applicable regulatory requirements and the national electrical code. Must only be kept in original packaging.

Suitable packaging:

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures:

Provide exhaust ventilation. An emergency eye wash station and safety shower should be located near the workstation.

Respiratory protection:

Wear approved respirator.

Hand protection:

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.

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:

Solid

Colour:

Off. White

Odour:

Sweet

Solubility in water:

Forms dispersion in water

pH

5 to 8 (1% dispersion)

Flash point °C:

Not Applicable

10. STABILITY AND REACTIVITY

Stability:

Stable under normal conditions.

Conditions to avoid:

Excessive temperatures.

Hazardous decomp. products:

Decomposition on heating above 22°C. Decomposed on heating

in alkaline media with the formation of copper oxides.
Decomposition will evolve toxic and irritant vapors.

11. TOXICOLOGICAL INFORMATION**Hazardous ingredients:****CYMOXANIL**Acute toxicity (Assessment largely or completely based on data for active substance)

Acute Oral LD ₅₀ (Rat)	Cymoxanil Technical: 1196 mg/kg (male Rat)
Acute Dermal LD ₅₀ (Rat)	Cymoxanil Technical: >2000 mg/kg
Acute Inhalation LD ₅₀	Cymoxanil Technical > 5.06 mg/l (male & female Rats)
EYE Irritation (Rabbit)	Mild irritation.
SKIN Irritation (Rabbit)	Slight Skin irritant
Skin Sensitization (Guinea Pig)	Not a skin sensitizer.

12. ECOLOGICAL INFORMATION**Ecotoxicity: (Assessment largely or completely based on data for active substance)****Aquatic toxicity :**

Material is very toxic to aquatic organisms.

Fish

LC₅₀ (96 h.)

Cymoxanil: Rainbow Trout 61 mg/l, Bluegill sunfish 29mg/l.

Daphnia EC₅₀ (48 hr)

Cymoxanil : 27mg/l

Bird

Material is practically non-toxic to birds.

Acute Oral, LD₅₀

Cymoxanil: >2250 mg/kg for Mallard ducks and Bobwhite quail.

Honey Bee

Material is non-toxic to bees (For Mancozeb & Cymoxanil)

LD₅₀ (oral)

Material is non-toxic

LD₅₀ (contact)

> 100 ppm (48 oral) - Cymoxanil

Earthworm

LC₅₀ (14 d)

> 2208 mg/kg soil – Cymoxanil

Environmental Fate**Persistence and Degradability:**

Cymoxanil: The proposed metabolic pathway involves hydrolysis of Cymoxanil and degradation to glycine. Plants degraded to glycine with subsequent incorporation into natural products (proteins and starch)

Bio-accumulation potential:

Bio-concentration potential is low. logP=0.59 (pH 5) (Cymoxanil)

Mobility in soil:

Fast degradation. Not mobile in soil.

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

SAFETY DATA SHEET
CYMOXANIL 50% WP
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Issued date: 22.10.2021
Revised date: 04.03.2024
Revision No.: 01
Ref: IIL/CMY50WP

Shipping name: Environmentally Hazardous Substance, solid, n.o.s. (Cymoxanil)
Hazard Class: 9
Packing group: III

Land Transport (ADR / RID)

UN no: 3077
Shipping name: Environmentally Hazardous Substance, solid, n.o.s. (Cymoxanil)

Hazard Class: 9
Packing group: III

Marine Transport (IMDG / IMO)

UN no: 3077
Shipping name: Environmentally Hazardous Substance, solid, n.o.s. (Cymoxanil)
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. (Cymoxanil)
Hazard Class: 9
Packing group: III
Cargo Packing instructions:

15. REGULATORY INFORMATION

Special Risks : R22 : Harmful if swallowed.
(R-Phrases) R51/5 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment Safety Advice
(S- Phrases) : S 2 : Keep out of the reach of children
S24/25 Avoid contact with skin and eyes..
S36/37 Wear suitable protective clothing and gloves
S57 Use appropriate containment to avoid environmental contamination.
S60 This material and its container must be disposed of as hazardous waste.
S61 Avoid release to the environment. Refer to special instructions/safety data sheets.

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.

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.