



浙江禾田化工有限公司 Zhejiang Hetian Chemical Co., Ltd.

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SAFETY DATA SHEET OF CYMOXANIL 450WDG

REVISED DATED :JAN 6, 2020

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

* Product Name: Cymoxanil 45% WDG

COMPANY NAME : ZHEJIANG HETIAN CHEMICAL CO., LTD

ADDRESS : NO 387, TIAN MU SHAN ROAD , HANGZHOU , ZHEJIANG , 310023,
CHINA

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Chemical Name of Active Ingredient (IUPAC):

1-(2-cyano-2-methoxyiminoacetyl)-3-ethylurea

Chemical Abstracts name :

2-cyano-N-[(ethylamino)carbonyl]-2-(methoxyimino)=acetamide

Chemical Formula of Active Ingredient: C₇H₁₀N₄O₃

CAS Registry Number: 57966-95-7

Chemical Class: fungicide (aliphatic nitrogen fungicides)

2. COMPOSITION/INFORMATION ON INGREDIENT

* PRODUCT DESCRIPTION: Fungicide

* Component (g/kg)	CAS Number	Content
Cymoxanil	[57966-95-7]	980
inerts	Not applicable	20

3. HAZARDS IDENTIFICATION



* TOXICITY CLASS: WHO (a.i) III

* SIGNAL WORD: CAUTION



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Inhalation: Irritating to respiratory system
Eye contact: Irritant
Skin: Irritant
Delayed: May cause sensitization by skin contact

4. FIRST-AID MEASURES

GET MEDICAL AID.

- * SKIN CONTACT: Wash with soap and plenty water thoroughly.
- * EYE CONTACT: Flush immediately with plenty of water for 15 min, at least.
- * INGESTION: contact a doctor at once and induce vomiting under the advice by doctor if necessary.
- * FURTHER MEDICAL TREATMENT: Get medical aid if necessary.

5. FIRE-FIGHTING PROTECTIVE EQUIPMENT

- * EXTINGUISHING MEDIA: Foam, carbon dioxide and chemicals.
- * FIRE FIGHTING PROTECTIVE EQUIPMENT: Wear self-contained, positive pressure breathing apparatus and full fighting protective clothing

6. ACCIDENTAL RELEASE MEASURES

- * SPILLAGE: If spilled during storage or handling, sweep up spillage, or for liquid formulations absorb with sand or other inert absorbent. Remove personal protective equipment immediately after handling product. Wash the outside of gloves before removing. As soon as possible, wash body thoroughly and change into clean clothing. Dispose of spillage according to label instructions.
- * UNCONTROLLED DISCHARGE: In case of large spill, call poison control center for advice.

7. HANDLING AND STORAGE

- * HANDLING: Read the label before use. Avoid contact by mouth and with skin, eyes and clothes; do not breath dust or vapor; when using do not eat, drink or smoke; wash hands and face with soap before eating and drinking; wear respirator, chemical goggles, rubber gloves and impervious protective clothing.
- * STORAGE: Stored it in original container only, keep away from fertilizer, food and feed; do not contaminate water, food, feed during storage and disposal; stored it in a dry ventilated well warehouse.



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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PERSONAL PROTECTIVE CLOTHING: Normal precautions when handling and applying. No special clothing required.

9. PHYSICAL AND CHEMICAL PROPERTIES

- * APPEARANCE: Light Coffee Columnar Granule
- * MELTING POINT: 130°C
- * PH: 4.8
- * EXPLOSIVE PROPERTIES: Not Explosive Properties
- * SELF IGNITION POINT: >260°C
- * SOLUBILITY: Dispersible

10. STABILITY AND REACTIVITY

- * STABLE: YES
- * CONDISITONS TO AVOID: NONE
- * HAZARDOUS POLYMERIZATION: NO
- * POLYMERIZATION: Will not occur.
- * HAZARDOUS DECOMPOSITION PRODUCTS: High temperatures of fire may produce irritating gases & vapors.

11. TOXICOLOGICAL INFORMATION

- * SKIN CONTACT: Acute percutaneous LD₅₀ for rats >2000 mg/kg. Slight irritating to skin (rabbits), not a skin sensitiser.
- * EYE CONTACT: Not an eye irritant.
- * INGESTION: Acute oral LD₅₀ for male rats 760, female rats 1200 mg/kg.
- * LONG TERM EXPOSURE: NOEL (2 y) for male rats 4.1, female rats 5.4, male mice 4.2, female mice 5.8, male and female dogs 3.0 mg/kg/b.w. daily.

12. ECOLOGICAL INFORMATION

- * BREAKDOWN OF CHEMICAL IN SOIL AND GROUNDWATER: Cymoxanil has no effect on microbial populations, or on the carbon or nitrogen transformations occurring in the soil.
- * ANIMALS: In rats, cymoxanil was readily absorbed through the intestines; the majority of the dose



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was excreted in the urine. The proposed metabolic pathway involves hydrolysis of cymoxanil and then degradation to glycine.

* PLANTS: Degraded to glycine with subsequent incorporation into natural products.

* TOXICITY FOR FISH, BIRDS, BEES, DAPHNIA

Birds: Acute oral LD₅₀ for female mallard ducks >2250 mg/kg. Eight-day dietary LC₅₀ for mallard ducks and bobwhite quail >5620 ppm.

Fish: LC₅₀ (96 h) for rainbow trout 61, bluegill sunfish 29, common carp 91, sheephead minnows >47.5 mg/l

Bees: Low toxicity to honeybees. Acute contact LD₅₀ >25 ug/bee, LC₅₀(45h, oral)>1000 ppm

Daphnia: LC₅₀ (48 h) 27 mg/l.

Worms LC₅₀ (14 d) >2208 mg/kg soil.

13. DISPOSAL CONSIDERATIONS

Large amounts should be incinerated at high temperature in a unit with effluent gas scrubbing. When no incinerator is available, bury in an approved dump, or in an area where there is no risk of contamination of surface or groundwater. Before burying, liberally mix with sodium carbonate crystals, to help neutralize the product, and with soil rich in organic matter. Comply with any local legislation.

14. TRANSPORT INFORMATION

* CLASS: 9

* UN NO.: 3077

* PACKING GROUP: III

15. REGULATORY INFORMATION

HAZARD SYMBOLS:

Xi: Irritant

N: Dangerous for the environment

RISK PHRASES:

R43: May cause sensitization by skin contact

R50: Very toxic to aquatic organisms

R53: May cause long-term adverse effects in the aquatic environment

SAFE PHRASES:

S24 - Avoid contact with skin.

S37 - Wear suitable gloves.



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16. OTHER INFORMATION

The data given here is based on current knowledge and experience. The purpose of this safety data sheet is to describe the product in terms of its safety requirements. The data does not signify and warranty with regard to the product's properties.