

Curfew[®] Fungicide

Date of Issue: 18 June 2020

1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

Chemical name of active ingredient(s): Cymoxanil 450 g/litre
Recommended use: Agricultural/horticultural fungicide

Supplier: Agrisource 2000 Limited
45 Kitchener Road
Pukekohe
Phone: 09 2370422

Emergency telephone number: 0800 CHEMCALL (0800 243 622) 24 Hours

2. HAZARDS IDENTIFICATION

Hazard Classifications: 6.1D oral, Acutely toxic
6.3B, mild skin irritant
6.4A, eye irritant
6.5B, Skin sensitiser
6.9B oral, Harmful to human target organs or systems
9.1B, Ecotoxic in the aquatic environment
9.3C, Harmful to terrestrial vertebrates

GHS Classifications: Acute Toxicity: Oral, Category 4
Skin corrosion/irritation, Category 3
Serious eye damage/eye irritation, Category 2
Skin sensitisation, Category 1
Specific target organ systemic toxicity, repeated exposure, oral, Category 2
Aquatic toxicity: chronic, Category 2

Note: There is no GHS equivalent classification for toxicity to terrestrial vertebrates.

Hazard Statements: Harmful if swallowed
Causes mild skin irritation
Causes serious eye irritation
May cause an allergic skin reaction
May cause damage to organs (liver) through prolonged or repeated exposure via ingestion
Toxic to aquatic life with long lasting effects
Harmful to terrestrial vertebrates

GHS Pictograms:



Signal Word:

WARNING

Precautionary Statements:

Prevention Statements:

Keep out of reach of children.
Read label before use.
Do not breathe dust or spray.
Wash hands, exposed skin, thoroughly after handling.
Do not eat, drink, or smoke when using this product.
Contaminated work clothing should not be allowed out of the workplace.
Avoid release to the environment.
Wear protective gloves, protective clothing, eye and face protection.

Response Statements:

If medical advice is needed, have product container or label at hand.
IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell.
Rinse mouth.
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice/attention.
Specific treatment (refer to First Aid instructions on this label).
Wash contaminated clothing before reuse.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
Collect spillage.

Disposal Statement:

In accordance with the EPA Hazardous Substances (Disposal) Notice 2017. Refer to Section 13 of this SDS.

Other requirements:

Do not apply **Curfew** onto or near water
Maximum application rate shall be 164g active ingredient per hectare, with a maximum application frequency of 5 applications per season and a minimum application interval of 5 days.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation Information on hazardous ingredients

Common name	CAS No	%
Cymoxanil	57966-95-7	45%
Inert Ingredients		55%

4. FIRST-AID MEASURES

Description of necessary first aid measures: In case of poisoning by any exposure route contact the **CHEMCALL** emergency advisory service. **Phone 0800 243 622, (0800 CHEMCALL).**

Inhalation:	Remove to fresh air. Apply artificial respiration if necessary. Get medical help if breathing difficulty persists.
Ingestion:	Harmful if swallowed. Do not induce vomiting. Give a glass or two of water. Get medical help. Never give anything by mouth to an unconscious person.
Skin contact:	In case of contact, immediately flush skin with plenty of water. Wash with soap and water if available. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if skin irritation or rash occurs.
Eye contact:	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Get medical attention if eye irritation occurs.
Notes to a physician:	Treat symptomatically. No specific antidote is known.

5. FIRE-FIGHTING MEASURES

Type of Hazard:	This product is non-flammable, non-explosive and is non-combustible.
Extinguishing media:	Fog, dry chemical powder, CO ₂ , Alcohol or polymer foam, water spray
HAZCHEM Code:	2X. CALL FIRE SERVICE ON 111 informing them of the UN No.
Fire Hazard Properties:	HCl, carbon dioxide and NO ₂ . Traces of other toxic gases cannot be excluded under certain fire conditions.
Protection of fire-fighters:	Wear protective clothing and self-contained breathing apparatus. Do not breathe smoke or gases. Run-off from fire control may be a pollution hazard.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Avoid contact with skin and eyes. Do not inhale dust or spray. Wear long sleeved shirt, long pants, waterproof gloves and safety goggles or face shield. Do not eat, drink or smoke when cleaning up spill. Wash hands and face once spill has been cleaned up.
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Environmental precautions:

Do NOT allow spilled product or wash solution to enter sewers, drains, dams, creeks or any other waterways.

Methods for cleaning up:

In the case of spillage, contain spilled material. Keep out animals and unprotected persons. Keep material out of streams and sewers. Vacuum or shovel waste into a drum. To decontaminate spill area, tools and equipment, wash with water. Dispose of contained wastes in accordance with the requirements of Local Authorities.

7. HANDLING AND STORAGE**Handling:**

When mixing or applying, avoid breathing dust and contact with skin and eyes. Wear protective clothing, gloves and goggles. Do not eat or drink while using. Wash hands and face before meals and after work. Wash protective clothing after work.

Storage:

Store in original container tightly closed and in a locked, dry, cool, well ventilated area, away from feed, seeds and foodstuffs. Keep out of reach of children. Store in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS8409).

Packaging materials:

HDPE Plastic bottle.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Exposure standards:**

No exposure limits (WES, or EELs) have been specifically assigned for this product. TEL values for Triadimenol: ADE = 0.05 mg/kg bw/day, PDE [food] = 0.04 mg/kg bw/day, PDE [drinking water] = 0.01 mg/kg bw/day.

Engineering measures**Exposure control measures:**

Ensure ventilation is adequate, as product is used outdoors generally natural ventilation is adequate.

Personal Protective Equipment**Respiratory system:**

Where insufficient ventilation, use suitable respiratory protection.

Skin and body:

When opening the container, preparing spray and using prepared spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and goggles.

Hands:

Protective gloves

Eyes:

Safety goggles

General hygiene:

Avoid inhaling aerosols and vapours. Avoid contact with eyes and skin. Store work clothes and street clothes separately. Wash hand before breaks and at the end of work. Change contaminated protective clothing. Keep away from food, drinks, and tobacco.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Granules
Colour:	Beige
Odour:	Characteristic
Odour Threshold:	Not determined
pH value:	5.47
Density:	Approx. – 0.49 (refer to specific batch)
Solubility in water:	Disperses
Flash point:	Not applicable
Flammability:	Non flammable
UEL/LEL:	Not applicable
Autoignition Temperature:	>260°C
Melting/Freezing Point:	Not determined
Boiling Point:	Not determined
Vapour Pressure:	Not applicable
Vapour Density:	Not applicable
Decomposition Temperature:	Not determined
Partition Coefficient:	Not applicable
Viscosity:	Not applicable

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions of use.
Conditions to avoid:	Non specified
Materials to avoid:	Non specified
Hazardous decomposition Products:	Fire: HCl, carbon dioxide and NO ₂ . Traces of other toxic gases cannot be excluded under certain fire conditions.
Hazardous reactions:	None known.

11. TOXICOLOGICAL INFORMATION

Acute toxicity – Oral:	LD50 860 mg/kg (Mouse)
Acute toxicity - Dermal:	Acute Dermal LD50 > 5,000 mg/kg (Rat)
Acute toxicity – Inhalation:	Not relevant (Granule)
Skin irritation:	Mild skin irritant, may cause skin irritation.
Eye irritation:	Irritant. May cause severe eye irritation.
Sensitization:	Skin sensitizer - may cause rash.
Common name:	Cymoxanil
Chronic toxicity:	
Carcinogenicity:	Not carcinogenic
Mutagenicity:	Not mutagenic
Reproduction toxicity:	Not a reproductive toxicant
Target Organ toxicity:	Harmful to human target organs (liver) on prolonged or repeated exposure via ingestion.

12. ECOLOGICAL INFORMATION

Ecotoxic in aquatic environment. Not rapidly degradable. Not bioaccumulative.

LC 50 = 10 mg/litre, 96 hr (Rainbow trout)
EC50 (Daphnia trout / 48hr) >100 mg/l
EC50 (algae, 72hr) 5.2 mg/L
Do not contaminate bodies of water with chemical or empty container.

Harmful to terrestrial vertebrates: LD₅₀ oral, mouse: 860 mg/kg

Non-toxic to terrestrial invertebrates,
contact LC50 Honeybee > 100 µg/bee.

13. DISPOSAL CONSIDERATIONS

Methods of disposal: Do not dispose of product down drains or sewers. Ideally, the product should be used for its intended purpose. If there is a need to dispose of the product, dispose of via an approved waste disposal contractor. Refer to the recommendations in NZS 8409 for more information.

Container disposal: Triple rinse container and add rinsate to spray tank. Dispose of cleaned container at your local AGRECOVERY container collection site.

14. TRANSPORT INFORMATION -International transport regulations (Land, Sea and Air)

UN number: 3077
Class: 9
Packing Group: III
Marine Pollutant: Yes
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID N.O.S. (CYMOXANIL)

15. REGULATORY INFORMATION

ACVM Registered Number: **P8010** (See www.foodsafety.govt.nz for registration Conditions).
HSNO Approval Code: **HSR100090** (See www.epa.govt.nz for controls).

HSNO Regulatory Requirements:

This product does not trigger the requirements for Certified Handlers, Compliance Location Certification, Tracking, Secondary Containment, Fire Extinguishers or Quantity that must be secured when unattended.

Emergency Response Plan – Triggered at 1,000 kg
Signage – Triggered at 1,000 kg

Training Requirements - All workplace personnel handling this substance are required to be trained on the safe handling and PPE requirements for the hazards associated with this substance in accordance with Clause 4.5 of the Health and Safety at Work (Hazardous Substances) Regulations 2017.

16. OTHER INFORMATION

Disclaimer EXCLUSION OF LIABILITY: PLEASE READ

This Safety Data Sheet is based on information available at the time of issue. To the extent permitted by law, users of this information accept that neither the manufacturer, Agrisource 2000 Limited as distributor, nor any other distributor have any liability or responsibility whatsoever for any loss, damage or injury whether in contract or tort, whether direct, indirect or consequential howsoever arising in connection with the supply of these information.

Date of preparation: 18 June 2020

Supersedes version dated 3 June 2016. Significant changes include amendments made to Sections 2, 9 and 15 to meet requirements of EPA Hazardous Substances (Safety Data Sheets) Notice 2017, and a new 24-hour emergency contact number.