

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE, PREPARATION AND COMPANY

Product name GRECALE
Use Fungicide.
Formulation Suspension Concentrate
Supplier: Sipcarn UK Limited, 4C Archway House, Melbourn Street, Royston SG8 7BX.
Emergency No 01763 212100.

2. HAZARDS IDENTIFICATION

Classification of substance and mixture according to Regulation (EC) Number 1272/2008

WARNING



H302	HARMFUL IF SWALLOWED
H317	MAY CAUSE AN ALLERGIC SKIN REACTION
H361fd	SUSPECTED OF DAMAGING FERTILITY AND 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

Additional information For the wording of safety phrases refer to section 15.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients according to Regulation EC 1272/2008

	CAS/EINECS	H Phrases	%
cymoxanil	57966-95-7/261-043-0	H302, H317, H361fd, H373, H410	16.7%
fluazinam	79622-59-6	H315, H317, H318, H332, H361fd, H410	25.0%

Additional information For the wording of the listed hazard phrases refer to section 15.

4. FIRST AID MEASURES

General information:

Show this safety data sheet to the doctor.

Symptoms of poisoning may occur even after several hours, therefore medical observation for at least 48 hours after the incident.

After inhalation:

Supply fresh air or oxygen; call for doctor.

In case of unconsciousness bring patient into stable side position for transport.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

After eye contact:

Rinse opened eye for several minutes under running water. Then consult doctor.

After swallowing:

Do not induce vomiting, call for medical help

Information for doctor:

Treat symptomatically and supportively.

Indication of any immediate medical attention and special treatment needed:

Remove contaminated clothing and wash with water.

5. FIRE FIGHTING MEASURES

Suitable extinguishing agents

CO₂, extinguishing powder or water jet. Fight larger fires with water jet.

Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire. Can be released in case of fire: Nitrogen oxides (NO_x) / Carbon monoxide (CO) / Sulphur dioxide (SO₂)

Protective equipment:

Do not inhale explosion gases or combustion gases.
Wear self-contained breathing apparatus / Put on breathing apparatus.

Additional information

Cool endangered containers with water spray jet.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Wear protective clothing.

Use breathing protection against the effects of fumes/aerosol.

Environmental precautions:

Inform respective authorities in case product reaches water or sewage system.

Do not allow to enter drainage system, surface or ground water.

Methods and material for containment and cleaning up:

Absorb with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust)

Dispose of contaminated material as waste according to item 13.

7. HANDLING AND STORAGE

Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke. Protect from heat.

Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and containers:

Store only in the original container. Store in cool location.

Information about storage in one common storage facility:

Store away from foodstuffs.

Do not store together with acids or alkalis (caustic solutions)

Further information about storage conditions:

No further relevant information available

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Components with limit values that require monitoring at the workplace:

This product does not contain any relevant quantities of materials with critical values that have to be monitored in the workplace

Personal protective equipment

The usual precautionary measures should be adhered to general rules for handling chemicals.

Avoid contact with the eyes and skin.

Do not eat, drink or smoke while working.

Keep away from foodstuffs, beverages and food.

Take off immediately all contaminated clothing

Wash hands during breaks and at the end of the work.

Breathing equipment:

Breathing protection recommended

Protection of hands:

Protective gloves.

Eye protection:

Safety glasses

Body protection:

Protective work clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Melting point or range:

Not applicable

Viscosity

1375 cps

Form: Liquid suspension

Boiling point or range:

Not applicable

Surface tension:

35.7 mN/m

Colour: Light yellow

Flash point:

Not applicable

Solubility / Miscibility (water):

Dispersible

Odour: Characteristic

Self-inflammability:

Product is not self igniting.

Density: 1.2 g/ml

pH-value at 20°C:

5.32 (1% solution)

Danger of explosion:

Product is not explosive.

10. REACTIVITY AND STABILITY		
Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications. Possibility of hazardous reactions: Hazardous polymerisation has not reported under normal temperatures and pressures. Conditions to avoid: No further relevant information available. Incompatible materials: No further relevant information available. Hazardous decomposition products: No dangerous decomposition products known.		
11. TOXICOLOGICAL INFORMATION		
LD/LC50 values that are relevant for classification:		
Oral LD50: 300-2000 mg/kg (rat)	Dermal LD50: >2000 mg/kg (rat)	Inhalation LC50/4 h: >1.58 mg/l (rat)
Skin Irritation: No irritant effect. Eye Irritation : No irritant effect. Sensitization: Sensitization possible by skin contact.		
12.ECOLOGICAL INFORMATION		
Aquatic toxicity (formulated product): EC 50: 0.380 (72 h) mg/l (algae) LC 50: 0.384 (48 h) mg/l (<i>daphnia magna</i>) LC 50: 0.14 (96h) mg/l (rainbow trout (<i>oncorhynchus mykiss</i>)) LD 50: >100µg/bee (contact), >200µg/bee (oral) (honeybee) Note: Very Toxic for aquatic organisms Persistence and degradability: No further relevant information available. Bioaccumulative potential : Cymoxanil and fluzinam have low bioaccumulation potential Mobility in soil: No further relevant information available.		
13. DISPOSAL		
Waste or used preparation: This material and its container must be disposed of in a safe way. Collect spillage. Disposal of packaging: Dispose of contents/container to a licensed waste disposal contractor or collection site except for triple rinsed empty containers which can be disposed of as non-hazardous waste		
14. TRANSPORT		
UN-Number (ADR, IMDG, IATA) 3082 Proper shipping name(ADR, IMDG, IATA) 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (cymoxanil (ISO)) 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (fluzinam (ISO)) Hazard class (ADR/IMDG, IATA): Class 9 Miscellaneous dangerous substances and articles. Label 9. Packing group III Marine pollutant: Yes Special marking (ADR): Symbol (fish and tree) Special precautions (user) Warning: Miscellaneous dangerous substances and articles. Kemler Number: 90 EMS Number: F-A,S-F Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable. Transport/Additional information: (ADR) Limited quantities (LQ) 5L Transport category 3 Tunnel restriction code E		
15. REGULATORY INFORMATION		
Hazard-determining components of labelling: Cymoxanil, Fluzinam. Precautionary (P) statements: P280 Wear gloves, protective clothing and eye/face protection P270 Do not eat, drink or smoke when using this product. P264 Wash hands thoroughly after handling P273 Avoid release to the environment P308+P313 If exposed or concerned. Get medical advice/attention P391 Collect spillage		

P501	Dispose of contents/container to a licensed waste disposal contractor or collection site except for triple rinsed empty containers which can be disposed of as non-hazardous waste
SP1	Do not contaminate water with the product or its container.

16. OTHER INFORMATION

H Phrases referenced in section 3:

H302	Harmful if swallowed
H317	May cause an allergic skin reaction
H315	Causes skin irritation
H318	Causes serious eye damage
H332	Harmful if inhaled
H373	May cause damage to organs through prolonged or repeated exposure (blood, thymus)
H361fd	Suspected of damaging fertility and the unborn child
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

*Prepared by Sipcam UK Ltd to the best of our current knowledge and information:
No responsibility is accepted that the information will be sufficient or correct in all cases.
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