

# 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.

For ROI only: In the event of an emergency, call the National Poisons Centre, Beaumont Hospital at 01 809 2566 or 01 837 9964

## 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.

**UFI:** 9P27-PR2R-E10J-1NOT

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients according to Regulation EC 1272/2008

	CAS/EINECS	H Phrases	%
<b>cymoxanil</b>	57966-95-7/261-043-0	H302, H317, H361fd, H373, H410	16.7%
<b>fluazinam</b>	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

CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet.

<p><b>Special hazards arising from the substance or mixture</b>  Formation of toxic gases is possible during heating or in case of fire. Can be released in case of fire: Nitrogen oxides (NO<sub>x</sub>) / Carbon monoxide (CO) / Sulphur dioxide (SO<sub>2</sub>)</p> <p><b>Protective equipment:</b>  Do not inhale explosion gases or combustion gases.  Wear self-contained breathing apparatus / Put on breathing apparatus.</p> <p><b>Additional information</b>  Cool endangered containers with water spray jet.</p>		
<p><b>6. ACCIDENTAL RELEASE MEASURES</b></p>		
<p><b>Personal precautions, protective equipment and emergency procedures:</b>  Wear protective clothing.  Use breathing protection against the effects of fumes/aerosol.</p> <p><b>Environmental precautions:</b>  Inform respective authorities in case product reaches water or sewage system.  Do not allow to enter drainage system, surface or ground water.</p> <p><b>Methods and material for containment and cleaning up:</b>  Absorb with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust)  Dispose of contaminated material as waste according to item 13.</p>		
<p><b>7. HANDLING AND STORAGE</b></p>		
<p><b>Precautions for safe handling</b>  Ensure good ventilation/exhaustion at the workplace.</p> <p><b>Information about protection against explosions and fires:</b>  Keep ignition sources away - Do not smoke. Protect from heat.</p> <p><b>Conditions for safe storage, including any incompatibilities</b></p> <p><b>Storage</b>  <b>Requirements to be met by storerooms and containers:</b>  Store only in the original container. Store in cool location.</p> <p><b>Information about storage in one common storage facility:</b>  Store away from foodstuffs.  Do not store together with acids or alkalis (caustic solutions)</p> <p><b>Further information about storage conditions:</b>  No further relevant information available</p>		
<p><b>8. EXPOSURE CONTROL / PERSONAL PROTECTION</b></p>		
<p><b>Components with limit values that require monitoring at the workplace:</b></p> <p>This product does not contain any relevant quantities of materials with critical values that have to be monitored in the workplace</p>		
<p><b>Personal protective equipment</b>  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.</p> <p><b>Breathing equipment:</b>  Breathing protection recommended</p>		
<p><b>Protection of hands:</b>  Protective gloves.</p>	<p><b>Eye protection:</b>  Safety glasses</p>	<p><b>Body protection:</b>  Protective work clothing.</p>
<p><b>9. PHYSICAL AND CHEMICAL PROPERTIES</b></p>		
<p><b>Appearance:</b></p>	<p><b>Melting point or range:</b>  Not applicable</p>	<p><b>Viscosity</b>  1375 cps</p>
<p><b>Form:</b> Liquid suspension</p>	<p><b>Boiling point or range:</b>  Not applicable</p>	<p><b>Surface tension:</b>  35.7 mN/m</p>
<p><b>Colour:</b> Light yellow</p>	<p><b>Flash point:</b>  Not applicable</p>	<p><b>Solubility / Miscibility (water):</b>  Dispersible</p>

<b>Odour:</b> Characteristic	<b>Self-inflammability:</b> Product is not self igniting.	<b>Density:</b> 1.2 g/ml
<b>pH-value at 20°C:</b> 5.32 (1% solution)	<b>Danger of explosion:</b> Product is not explosive.	
<b>10. REACTIVITY AND STABILITY</b>		
<b>Thermal decomposition / conditions to be avoided:</b> No decomposition if used according to specifications. <b>Possibility of hazardous reactions:</b> Hazardous polymerisation has not reported under normal temperatures and pressures. <b>Conditions to avoid:</b> No further relevant information available. <b>Incompatible materials:</b> No further relevant information available. <b>Hazardous decomposition products:</b> No dangerous decomposition products known.		
<b>11. TOXICOLOGICAL INFORMATION</b>		
<b>LD/LC50 values that are relevant for classification:</b>		
Oral LD50: 300-2000 mg/kg (rat)	Dermal LD50: >2000 mg/kg (rat)	Inhalation LC50/4 h: >1.58 mg/l (rat)
<b>Skin Irritation:</b> No irritant effect. <b>Eye Irritation :</b> No irritant effect. <b>Sensitization:</b> Sensitization possible by skin contact.		
<b>12.ECOLOGICAL INFORMATION</b>		
<b>Aquatic toxicity (formulated product):</b> 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) <b>Note:</b> Very Toxic for aquatic organisms <b>Persistence and degradability:</b> No further relevant information available. <b>Bioaccumulative potential :</b> Cymoxanil and fluazinam have low bioaccumulation potential <b>Mobility in soil:</b> No further relevant information available.		
<b>13. DISPOSAL</b>		
<b>Waste or used preparation:</b> This material and its container must be disposed of in a safe way. Collect spillage. <b>Disposal of packaging:</b> 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		
<b>14. TRANSPORT</b>		
<b>UN-Number (ADR, IMDG, IATA)</b> 3082 <b>Proper shipping name(ADR, IMDG, IATA)</b> 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (cymoxanil (ISO)) 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (fluazinam (ISO)) <b>Hazard class (ADRIMDG, IATA):</b> Class 9 Miscellaneous dangerous substances and articles. Label 9. Packing group III <b>Marine pollutant:</b> Yes <b>Special marking (ADR):</b> Symbol (fish and tree) <b>Special precautions (user)</b> Warning: Miscellaneous dangerous substances and articles. <b>Kemler Number:</b> 90 <b>EMS Number:</b> F-A,S-F <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:</b> Not applicable. <b>Transport/Additional information:</b> (ADR) Limited quantities (LQ) 5L Transport category 3 Tunnel restriction code E		
<b>15. REGULATORY INFORMATION</b>		
<b>Hazard-determining components of labelling:</b> Cymoxanil, Fluazinam. <b>Precautionary (P) statements:</b> 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.  
Created 19<sup>th</sup> November 2020 issue 3 Revision Date 19<sup>th</sup> November 2022*