

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE, PREPARATION AND COMPANY

Product name LIETO
Use Fungicide.
Formulation Water Dispersible Granule
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
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

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

UFI: R96W-CT12-V30Y-JGVG

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, H410	33.0%
zoxamide	156052-68-5	H317, H410	33.0%

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

4. FIRST AID MEASURES

General information:

Instantly remove any clothing soiled by the product.

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:

No further relevant information available

5. FIRE FIGHTING MEASURES

<p>Suitable extinguishing agents CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.</p> <p>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)</p> <p>Protective equipment: Do not inhale explosion gases or combustion gases. Wear self-contained breathing apparatus / Put on breathing apparatus.</p> <p>Additional information Cool endangered containers with water spray jet.</p>		
6. ACCIDENTAL RELEASE MEASURES		
<p>Personal precautions, protective equipment and emergency procedures: Avoid causing dust. Wear protective clothing.</p> <p>Environmental precautions: Inform respective authorities in case product reaches water or sewage system. Do not allow to enter drainage system, surface or ground water.</p> <p>Methods and material for containment and cleaning up: Collect spillage Collect mechanically Dispose of contaminated material as waste according to item 13. Ensure adequate ventilation.</p>		
7. HANDLING AND STORAGE		
<p>Precautions for safe handling Ensure good ventilation/exhaustion at the workplace. Prevent formation of dust.</p> <p>Information about protection against explosions and fires: Keep ignition sources away - Do not smoke. Protect from heat.</p> <p>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: Keep container tightly sealed. Store in cool, dry conditions in well sealed containers Protect from heat and direct sunlight.</p>		
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		
<p>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.</p> <p>Breathing equipment: Breathing protection recommended Recommended filter device for short term use: Filter P1</p>		
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 determined	Particle size 1-2 mm
Form: Granulate	Boiling point or range: Not determined	Dust content: Nearly dust free
Colour: Beige	Flash point: Not applicable	
Odour: Characteristic	Self-inflammability: 425°C.	Solubility / Miscibility (water): Dispersible
pH-value at 20°C: 6.8 (1% solution)	Danger of explosion: Product is not explosive.	Density: 0.65 g/l

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: Thermal decomposition products may include toxic and corrosive fumes of chlorides and toxic oxides of nitrogen

11. TOXICOLOGICAL INFORMATION

LD/LC50 values that are relevant for classification:

Oral LD50: 1469 mg/kg (rat)	Dermal LD50: >5000 mg/kg (rat)	Inhalation LC50/4 h: >4.4 mg/l (rat)
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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: 0.055 (72 h) mg/l (algae) LC 50: 44.6 (48 h) mg/l (*daphnia magna*)

LC 50: 0.83 (96h) mg/l (rainbow trout (*oncorhynchus mykiss*))

Note: Very Toxic for aquatic organisms

Persistence and degradability: No further relevant information available.

Bioaccumulative potential : Cymoxanil and zoxamide 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) 3077

Proper shipping name(ADR, IMDG, IATA)

3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (cymoxanil (ISO))

3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (zoxamide (ISO))

Hazard class (ADRIMDG, IATA):

Class 9 Miscellaneous dangerous substances and articles. Label 9+P. 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) LQ27 Transport category 3 Tunnel restriction code E
15. REGULATORY INFORMATION		
Hazard-determining components of labelling: Cymoxanil, Zoxamide.		
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	
H373	May cause damage to organs through prolonged or repeated exposure (blood, thymus)	
H361	Suspected of damaging the unborn child	
H410	Very toxic to aquatic life with long lasting effects	
<p><i>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 23rd November 2020 issue 4 Revision Date 23rd November 2022</i></p>		