

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE, PREPARATION AND COMPANY

Product name MIXANIL
Use Fungicide.
Formulation Suspension Concentrate
Supplier: Sipcarn UK Limited, 4C Archway House, The Lanterns, 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



H317	MAY CAUSE AN ALLERGIC SKIN REACTION.
H319	CAUSES SERIOUS EYE IRRITATION.
H332	HARMFUL IF INHALED.
H335	MAY CAUSE RESPIRATORY IRRITATION.
H351	SUSPECTED OF CAUSING CANCER.
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 precautionary (P) phrases refer to section 15.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients (according to Directive 1999/45/EC)

	CAS/EINECS	H Phrases	%
cymoxanil	57966-95-7/261-043-0	H302, H317, H410	4.2%
chlorothalonil	1897-45-6/217-588-1	H330, H351, H318, H317, H335, H400, H410	31.5%

Additional information For the wording of the listed hazard phrases refer to section 16.

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:

Instantly wash with water and soap and rinse thoroughly.

After eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

After swallowing:

In case of persistent symptoms, 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) / Hydrogen chloride (HCl)</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 Collect contaminated fire fighting water separately, it must not enter drains. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations</p>		
6. ACCIDENTAL RELEASE MEASURES		
<p>Personal precautions, protective equipment and emergency procedures: Ensure adequate ventilation. Wear protective clothing.</p> <p>Environmental precautions: Avoid release to the environment. 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: Absorb with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust) Send for recovery or disposal in suitable containers.</p>		
7. HANDLING AND STORAGE		
<p>Precautions for safe handling Keep containers tightly sealed. Prevent formation of aerosols Store in cool dry place.</p> <p>Information about protection against explosions and fires: Protect from heat. The product is not flammable.</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 a well ventilated location.</p> <p>Information about storage in one common storage facility: Store away from foodstuffs. Do not store together with reducing agents, heavy-metal compounds, acids or alkalis.</p> <p>Further information about storage conditions: Keep container tightly sealed. Store in cool, dry conditions in well sealed containers Protect from frost. Protect from heat and direct sunlight.</p>		
8. EXPOSURE CONTROL / PERSONAL PROTECTION		
Components with limit values that require monitoring at the workplace:		
Cymoxanil (2.5-10%): TWA 5 mg/m ³		
<p>Personal protective equipment The usual precautionary measures should be adhered to general rules for handling chemicals. Avoid skin contact with the liquefied material. 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 AX</p>		
Protection of hands: Protective rubber gloves.	Eye protection: Safety glasses	Body protection: Protective work clothing.
9. PHYSICAL AND CHEMICAL PROPERTIES		
Appearance:	Melting point or range:	Viscosity:

	Not determined	1207 mm ² /s
Form: Liquid	Boiling point or range: >100°C	Surface tension: 33.8 mN/m
Colour: Whitish	Flash point: Not applicable	Density: 1.2 g/cm ³
Odour: Weak Characteristic	Self-inflammability: Product is not self igniting	Solubility / Miscibility (water): Dispersible
pH (1% aqueous): 4.28	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: No further relevant information available

Conditions to avoid: No further relevant information available.

Incompatible materials: No further relevant information available.

11. TOXICOLOGICAL INFORMATION

LD/LC50 values that are relevant for classification:

Oral LD50: >2000 mg/kg (rat)	Dermal LD50: >4000 mg/kg (rat)	Inhalation LC50/4 h: >1.037 mg/l (rat)
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Skin Irritation: No irritant effect.

Eye Irritation : Irritant.

Sensitization: Sensitization possible by skin contact.

12. ECOLOGICAL INFORMATION

Aquatic toxicity (formulated product):

EC 50: 54 (72 h) mg/l (algae) LC 50: 0.3 (48 h) mg/l (*daphnia magna*)

LC 50: 0.11 (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 chlorothalonil 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. (chlorothalonil (ISO))

3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (cymoxanil (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.

ADR Transport/Additional information: Tunnel restriction code: D/E

15. REGULATORY INFORMATION

Hazard-determining components of labelling: Cymoxanil, Chlorothalnil.

Precautionary (P) statements:

P261 Avoid breathing spray

P280 Wear gloves, protective clothing and eye/face protection

P264 Wash hands thoroughly after handling

P273 Avoid release to the environment.

P305+351+338 IF IN EYES; Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+P313 If exposed or concerned. Get medical advice/attention.

P337+313 If eye irritation persists: Get medical advice/attention.

P391 Collect spillage

P403+233 Store in a well ventilated room. Keep container tightly closed.

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.

16. OTHER INFORMATION

H Phrases referenced in section 3:

H302	Harmful if swallowed.
H330 Acute tox 2	Fatal if inhaled
H351 Carc 2	Suspected of causing cancer
H318 Eye Dam 1	Causes serious eye damage
H317 Skin sens 1	May cause an allergic skin reaction
H335 STOT SE 3	May cause respiratory irritation
H400 Aquatic acute 1	Very toxic to aquatic life
H410 Aquatic chronic 1	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.

November 2014.