

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE, PREPARATION AND COMPANY

Product name FEZAN PLUS
Use Fungicide.
Formulation Suspension Concentrate
Supplier: Sipcam 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



| | |
|------|---|
| H332 | HARMFUL IF INHALED SUSPECTED OF CAUSING CANCER SUSPECTED OF DAMAGING THE UNBORN CHILD VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS |
| H351 | |
| H361 | |
| H410 | |

Contains chlorothalonil. May produce an allergic reaction

Contains 1,3,5-tris(2-hydroxyethyl) hexahydro-1,3,5-triazine. May cause an allergic reaction.

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

3. COMPOSITION / INFORMATION ON INGREDIENTS

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

| | CAS/EINECS | H Phrases | % |
|----------------|-------------------------|--|--------|
| chlorothalonil | 1897-45-6 / 217-588-1 | H330, H351, H318, H317, H335 H400, H410 | 15.09% |
| tebuconazole | 107534-96-3 / 403-640-2 | H302, H361, H411 | 5.45% |
| Propane diol | 57-55-6/ 200-338-0 | | 4.0% |

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.

if exposed or concerned; Get medical advice/attention

In case of irregular breathing or respiratory arrest provide artificial respiration.

After inhalation:

Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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

After swallowing:

In case of persistent symptoms consult doctor.

Information for doctor:

No further relevant information available.

Indication of any immediate medical attention and special treatment needed:

No further relevant information available

5. FIRE FIGHTING MEASURES

Suitable extinguishing agents

CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

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 (NOx) / Carbon monoxide (CO) / Hydrogen chloride (HCl)

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.

Collect contaminated fire fighting water separately. It must not enter drains

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Put on breathing apparatus.

Wear protective clothing.

Environmental precautions:

Collect spillage.

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.

Ensure adequate ventilation.

Reference to other sections:

See Section 8 for information on personal protection equipment

7. HANDLING AND STORAGE

Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Open and handle container with care.

Information about protection against explosions and fires:

The product is not flammable

Keep breathing equipment ready.

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.

Further information about storage conditions:

Keep container tightly sealed.

Protect from frost.

Protect from heat and direct sunlight.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Components with limit values that require monitoring at the workplace:

| | | |
|------------------------------------|-----|--|
| 57-55-6 propane-1,2-diol (4.0%) | WEL | Long-term value: 474* 10** mg/m ³ , 150* ppm *total vapour and particulates **particulates |
|------------------------------------|-----|--|

Personal protective equipment

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

Avoid breathing spray.

Do not eat, drink or smoke while working.

Keep away from foodstuffs, beverages and food.

Take off immediately all contaminated clothing

Wash hands thoroughly after handling

Store protective clothing separately.

Breathing equipment:

In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

Recommended filter device for short term use: Combination filter A-P1

| | | |
|---|---|---|
| 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 | Melting point or range: Not determined |
| Form: Fluid | Boiling point or range: > 100°C | Solvent content: Organic solvents: 4.0 % Water: 70.0 % |
| Colour: According to product specification | Flash point: Not applicable | |
| Odour: Characteristic | Self-inflammability: Product is not selfigniting. | Solubility / Miscibility (water): Not miscible |
| pH-value at 20°C: 7-9 | Danger of explosion: Product is not explosive. | Density: 1.1 g/cm ³ |
| 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 2000 mg/kg (rat) | Dermal LD50 2020 mg/kg (rat) | Inhalation LC50/4 h 10.8 mg/l (rat) |
| Skin Irritation: No irritant effect. Eye Irritation : No irritant effect. Sensitization: No sensitizing effect known. | | |
| 12.ECOLOGICAL INFORMATION | | |
| Aquatic toxicity (active ingredient): EC 50: 0.861 (72 h) mg/l (algae) LC 50: 0.909 (48 h) mg/l (<i>daphnia magna</i>) LC 50: 0.21 (96h) mg/l (rainbow trout (<i>oncorhynchus mykiss</i>)) Note: Toxic for fish Persistence and degradability: No further relevant information available. Bioaccumulative potential : 1897-45-6 chlorothalonil (ISO)- Kow logP 2.94 (partition n-octanol/water) 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. (tebuconazole (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) | | |

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| 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) LQ7 Transport category 3 Tunnel restriction code E |

15. REGULATORY INFORMATION

Hazard-determining components of labelling: Chlorothalonil, Tebuconazole,

Precautionary (P) statements:

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|-----------|--|
| P280 | Wear gloves, protective clothing and eye/face protection |
| P261 | Avoid breathing spray |
| P304+P340 | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing |
| 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 (Do not clean application equipment near surface water / Avoid contamination via drains from farmyards and roads) |

16. OTHER INFORMATION

H Phrases referenced in section 3:

| | |
|------|--|
| H302 | Harmful if swallowed |
| H330 | Fatal if inhaled |
| H351 | Suspected of causing cancer |
| H318 | Causes serious eye damage |
| H317 | May cause an allergic skin reaction |
| H335 | May cause respiratory irritation |
| H361 | Suspected of damaging the unborn child |
| 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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