
Safety Data Sheet

Frupica SC
Prepared 08.01.2004

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Page 1 of 1

1. Substance / preparation and company name

Frupica SC

Use of the Substance/ Preparation

Horticultural fungicide

Company identification

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1b Mills Way, Boscombe Down Business Park, Amesbury, Wiltshire. SP4 7RX
Telephone: 01980 676500 Fax: 01980 626555

2. Composition / information on ingredients

Chemical name	Concentration (%)	CAS	Symbol	R-phrases
Mepanipirim	40%	110235-47-7	Xi, N	R38, R50/53

3. Possible hazards

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. First aid measures

Inhalation: Remove the victim to fresh air and keep warm and quiet. Get medical attention immediately. If not breathing, clear the airway and give artificial respiration. If breathing is difficult, give oxygen.

Skin contact: Wash material off the skin in flowing water or shower with soap. If irritation persists, consult a physician immediately.

Eye contact: Immediately flush with copious amounts of water for at least 15 minutes. If irritation persists, consult a physician.

Ingestion: Induce vomiting by giving one or two glasses of water. Get medical attention immediately. If the victim is unconscious or having convulsions, never give fluid or induce vomiting.

5. Fire fighting measures

Suitable extinguishing agents: Dry chemical powder, foam, carbon dioxide or dry sand..

Firefighting procedures: Apply water to cool and protect surrounding equipment. Remove containers, if feasible, from the fire area to safe place immediately.

Protective equipment: Wear full protective suit. Wear positive pressure self-contained breathing apparatus. evacuate non essential personnel.

6. Accidental release measures

Evacuate non essential personnel. Evacuate people to upwind of the spilled area. Remove all sources of ignition. No flares, smoking or flames in the immediate area. Wear protective gear.

Safety Data Sheet

Frupica SC
Prepared 08.01.2004

Certis

Page 2 of 2

For small spills: absorb with inert materials (e.g. dry sand or earth), then place in a waste chemical container for disposal. Flush residual spill (area) with plenty of water.
For large spills: dike with sand to lead spill to safe place and then cover with foam. Place in a waste chemical container as much as possible. Flush residual spill (area) with plenty of water. Prevent spills from entering sewers, watercourses or low areas.

7. Handling and storage

Handling: See Section 8.

Storage: Keep containers tightly closed and store in a cool, dark, dry place. Keep away from heat, steam pipe or combustible materials. All electrical appliances used in a store should be installed directly to the ground. The appliances must be explosion proof.

8. Exposure controls / personal protection

Personal protection: Wear chemical cartridge respirator with an organic vapour cartridge, airline respirator, positive pressure self-contained breathing apparatus, safety goggles, gloves and boots as appropriate.

Engineering controls: The use of local exhaust ventilation is recommended. Containers should be kept tightly closed. Make available emergency showers and eye washes in a work area.

9. Physical and chemical properties

Appearance:	Off-white liquid
pH:	5.5 - 8.5
Density:	1.05 - 1.10 (20°C)
Particle size:	<4.0 µm
Viscosity:	500 - 700 mPa (20°C)
Suspensibility:	>90%

10. Stability and reactivity

Stability: Stable under normal conditions. Stable for 3 years if stored in a cool, dark and dry place.

Incompatibility: Sulphuric acid, hydrochloric acid.

Hazardous decomposition: May produce CO, CO₂ and Nox.

11. Toxicological information

Acute toxicity		
Oral LD50:	Rat:	>5000 mg/kg
Dermal LD50:	Rabbit:	>2000 mg/kg
Inhalation LC50:	Rat:	>5.13 mg/l
Irritation		
Eye irritation:	Rabbit:	Not irritant
Skin irritation:	Rabbit:	Moderately irritant

Safety Data Sheet

Frupica SC
Prepared 08.01.2004

Certis

Page 3 of 3

Allergenic and sensitizing effects

Sensitizing:	Guinea pig:	Not sensitizing
Mutagenic effects:	Amest test:	Negative

12. Ecological information

Avian toxicity:	Bobwhite quail:	Oral LD50:	>2250 mg/kg
	Mallard duck:	Oral LD50:	>2250 mg/kg
Fish toxicity:	Carp:	LC50 (48 h):	117 ppm
Daphnia toxicity:	<i>Daphnia magna</i> :	LC50 (24 h):	17.7 ppm
Beneficial insect:	Honey bees:	Topical LD50:	>100 µg/bee
		Dietary LV50:	>100 ppm

13. Disposal considerations

Waste should be disposed of in a chemical incinerator following the methods below as appropriate:
Burn by spraying into the burner of incinerator equipped with afterburner and scrubber as toxic gases emit while burning.

For disposal of small amount, adsorb with diatom earth and then burn in a chemical incinerator equipped with afterburner and scrubber.

Do not dump into sewers or into any body of water.

The water containing the product should be drained after being cleaned up by activated sludge.

14. Transport information

UN number:	3082
Class:	9
Packing Group:	III
Proper shipping name:	Environmentally hazardous substance, liquid, n.o.s.

15. Regulatory information

This product has been classified in accordance with The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002: CHIP3

Hazard symbols:	N Dangerous for the environment
Risk phrases:	R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
Safety phrases:	S2 Keep out of reach of children S13 Keep away from food, drink and animal feeding stuffs S36/37 Wear suitable protective clothing and gloves S60 This material and its container must be disposed of as hazardous waste S61 Avoid release to the environment. Refer to special instructions/ safety data sheet

Safety Data Sheet

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Page 4 of 4

16. Other information

Text of R phrases mentioned in Section 2

R38 Irritating to skin

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Disclaimer

The above information is intended to give general health and safety guidance on the storage and transport of the substance or product to which it relates. It is not intended to apply to the use of the substance or product for which purposes the substance or product label and any appropriate technical usage literature available should be consulted and any relevant licences, consents or approvals complied with. The requirements or recommendations of any relevant site or working procedure, system or policy in force or arising from any risk assessment involving the substance or product should take precedence over any of the guidance contained in this safety data sheet where there is a difference in the information given. The information provided in this safety data sheet is accurate at the date of publication and will be updated as and when appropriate. No liability will be accepted for any injury loss or damage resulting from any failure to take account of information or advice contained in this safety data sheet.
