

**1. Identification of the Substance/Mixture and Supplier.**

Product name: Teldor  
 Other names: Teldor SC 500  
 Recommended Use: A fungicide – botrytis control in grapes.

Company details: Bayer New Zealand Limited,  
 3 Argus Place,  
 Glenfield,  
 Auckland,  
 New Zealand.

Telephone: 0800 428 246  
 Facsimile: 09 441 8645  
 Emergency telephone: 0800 734 607 Orica SH&E Shared services (24hr)

**2. Hazards Identification.**

Hazard classification: Classified as hazardous according to the criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

Classification and type: **HSNO Class\***  
 9.1D  
 Harmful to aquatic organisms.

Risk & Safety Phrases: No risk phrases for health effects

**3. Composition/Information on Ingredients.**

Common name: Fenhexamid

Chemical Identity of  
 Ingredients:

**Mixture:**

Ingredient	CAS No.	Content (%w/v)
Fenhexamid	126833-17-8	50.0%
Other ingredients, including thickeners, preservatives and water	(non hazardous)	67.0%

**4. FIRST Aid Measures:**

Description of necessary first aid measures:	In case of poisoning by any exposure route contact the National Poisons and Hazardous Chemicals Information Centre, PO Box 913, Dunedin. Phone 0800 764 766, 0800 POISON.
Workplace facilities:	No specific facilities required. Standard emergency equipment must be available.
Hygiene Practices:	Avoid contact with skin and eyes and inhalation of concentration or spray mist. When mixing or applying, wear protective clothing, including face shield, impervious gloves and footwear. If clothing becomes contaminated with product, remove clothing immediately. DO NOT eat, drink or smoke while using. Wash hands and exposed skin thoroughly with soap and water before meals and after work. Wash protective clothing daily after work.
Ingestion:	Wash out mouth with water. Do NOT induce vomiting. Keep patient at rest and seek medical advice.
Eye:	If product gets in eyes wash it out immediately with water for at least 15 minutes and consult a doctor.
Skin:	If skin contact occurs remove contaminated clothing and wash affected areas thoroughly with soap and water. If symptoms persist, call a doctor.
Inhaled:	If inhaled remove to fresh air and keep at rest. Obtain medical advice.
Medical attention:	<i>Local contamination:</i> Treatment should be symptomatic after decontamination. <i>Systemic poisoning:</i> There is no specific antidote. Treat symptoms.

**5. Fire-Fighting Measures.**

Fire Hazard Properties:	In the event of fire the following can be released; Carbon monoxide (CO) Nitrogen oxides (NOx), Hydrogen chloride and hydrogen cyanide.
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Extinguishing media:	Water spray, foam, carbon dioxide (CO <sub>2</sub> ), sand
Recommended Protective clothing:	When fighting a major fire wear an air-supplied respirator. Wear protective equipment.
<b>6. Accidental Release Measures.</b>	
Personal Precautions:	<p><b>Emergency Procedures:</b> Ensure suitable personal protection during removal of spillages. This means wearing eye protection, chemically resistant gloves, boots and overalls.</p>
Environmental Precautions:	Washings must be prevented from entering surface water drains or waterways.
Procedure for spill:	<p>Keep all bystanders away. Wear goggles, half face-piece respirator with combined dust and vapour cartridge, full length clothing and PVC gloves. Contaminated material must be disposed of in accordance with all local authority requirements.</p> <ul style="list-style-type: none"> <li>• For quantities up to 50L of product bury in a secure approved landfill site.</li> <li>• For quantities greater than 50L seek advice from the manufacturer (use emergency contact number) before attempting disposal. Contain in a secure location until disposal method is established.</li> </ul> <p>Decontaminate the spill area with detergent and water and rinse with the smallest volume of water practicable.</p>
Procedure for Disposal:	<p>a) Triple rinsing or preferably pressure rinsing containers with water. Add the rinsings to the spray tank. DO NOT dispose of undiluted chemicals on site.</p> <p>b) Burning of empty containers if circumstances, especially wind direction, permit is an alternative method. Do not burn unless in a suitable incinerator.</p> <p>c) Product or unused spray mix should be disposed of according to label instructions.</p>
<b>7. Handling and Storage.</b>	
Handling Practices:	Avoid contact with skin and eyes and inhalation of concentrate or spray mist. When using, do not eat, drink or smoke. Wash face and hands before eating, drinking or smoking.

Conditions for Safe Storage and Store Sire Requirements:	Store in a cool, dry, well ventilated place and protect from sunlight.
Packaging:	Store in original container, tightly closed, away from foodstuffs.
<b>8. Exposure Control/Personal Protection</b>	
Engineering measures:	Use in well ventilated areas.
Respiratory protection:	Not normally required.
Hand protection:	Wear suitable protective gloves (e.g. Polyvinyl chloride – PVC). After contamination with product change the gloves immediately.
Eye protection:	Chemical goggles/face protection.
Other protective equipment:	Wear suitable protective clothing.
Hygiene measures:	Avoid inhaling aerosols and vapours. Avoid contact with eyes and skin. Store work clothes and street clothes separately. Wash hand before breaks and at the end of work. Change contaminated protective clothing. Keep away from food, drinks and tobacco.
<b>9. Physical and Chemical Properties</b>	
Form:	Liquid suspension
Colour:	Brown
Odour:	Slight characteristic
Vapour pressure>	$4 \times 10^{-4}$ mPa at 20°C
Solubility in water:	Suspends in water
Specific gravity:	1.17
pH:	6.5 – 7.5
Flashpoint:	No flash point up to 100°C
Boiling point:	Not available
Partition coefficient (octanol/water)	<i>Fenhexamid</i> : Log $P_{ow}$ = 3.51 at pH 7 and 20°C
<b>10. Stability and Reactivity</b>	
Stability of the Substance:	Stable under standard conditions.
Conditions to Avoid:	Extremes of temperature and direct sunlight.

Incompatible materials:	Oxidising agents
Hazardous reactions:	None
<b>11. Toxicological Information</b>	
Acute oral toxicity:	LD <sub>50</sub> : rat >2500mg/kg
Acute dermal toxicity:	LD <sub>50</sub> : rat >4000mg/kg
Acute inhalation toxicity:	LC <sub>50</sub> : rat >5.07 mg/L – exposure time 4h (fenhexamid dust) highest producible concentration.
Skin irritation:	Non-irritant (rabbit)
Irritation of mucuous membranes :	Non irritating (rabbit)
Sensitization :	Not a skin sensitizer
Chronic :	Animal studies have shown that fenhexamid is not carcinogenic; it is not teratogenic and it is not a developmental toxicant. It is not mutagenic.
<b>12. Ecological Information</b>	
Acute fish toxicity:	<u>Fenhexamid:</u> LC <sub>50</sub> : 1.34mg/L (96h); Rainbow trout ( <i>Oncorhynchus mykiss</i> ) LC <sub>50</sub> : 3.42mg/L (96h); Bluegill sunfish ( <i>Lepomis macrochirus</i> )
Toxicity for Daphnia:	EC <sub>50</sub> : >18.8mg/L (48h); Water flea ( <i>Daphnia magna</i> )
Toxicity for Algae:	Growth rate: EC <sub>50</sub> : >26.1mg/L (72h); green algae ( <i>Desmodesmus subspicatus</i> )
Toxicity for Birds:	Acute oral LD <sub>50</sub> : >2000mg/kg : bobwhite quail
Bacteria toxicity:	EC <sub>50</sub> : 8160mg/L
Environmental fate, persistence and degradability, mobility	In a water sediment study fenhexamid was inherently degradable: >70% in 28 days. Fenhexamid has a low persistence in soil; it is rapidly degraded and has low mobility. DT <sub>50</sub> : in soil > 1 day (4 soils, 20°C). Fenhexamid has very low leaching potential and groundwater contamination is not expected.
<b>13. Disposal Considerations.</b>	
Product Disposal:	Dispose of this product only by using according to the label, or at an approved landfill or other approved facility.

Container Disposal:	Triple rinse the empty container adding rinseate to the spray tank. Recycle if possible. If allowed under local authority, burn if circumstances, especially wind direction permit, otherwise crush and bury in an approved local authority facility. Do not use container for any other purpose.
<b>14. Transportation Information.</b>	
Rail/Road (RID/ADR)	UN 3082 Environmentally Hazardous Substance, Liquid, N.O.S, (Fenhexamid) Class 9, Packing Group: III Hazchem 2X.
Sea (IMDG-Code)	UN 3082 Environmentally Hazardous Substance, Liquid, N.O.S, (Fenhexamid) Class 9, Packing Group: III Hazchem 2X. Marine Pollutant for Marine Transport Only.
Air (ICAO/IATA)	UN 3082 Environmentally Hazardous Substance, Liquid, N.O.S, (Fenhexamid) Class 9, Packing Group: III Hazchem 2X.
<b>15. Regulatory Information.</b>	
HSNO Approval Number:	HSR000008
HSNO Controls (inc. Tracking):	See <a href="http://www.ermanz.govt.nz">www.ermanz.govt.nz</a> for controls.
Approved Handlers required:	Approved Handlers not required at time of use.
ACVM Registration:	P 7020
ACVM Controls:	See <a href="http://www.nzfsa.govt.nz/acvm">www.nzfsa.govt.nz/acvm</a> for registration conditions.
<b>16. Other Information.</b>	
9.1D Harmful to aquatic organisms.	
No risk phrases for health effects.	

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The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe products in terms of their safety requirements. The above details do not imply any guarantee concerning composition, properties or performance of the product.