



MATERIAL SAFETY DATA SHEET

Protector^{hml}

Date of Issue: 22 August 2008

1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

Chemical name of active ingredient(s): Fatty Acids (potassium soap)

Recommended use: A fungicide for the control of botrytis on grapes
An adjuvant to improve coverage of fungicides in grapes

Supplier: Henry Manufacturing Limited
12-015 Ahuriri
Napier
Phone 027 294 1490

Emergency telephone number: 0800 Poison (0800 764 766) 24 hours

2. HAZARDS IDENTIFICATION

Hazard Classification: Ecotoxic – 9.1D
Required identification Details: WARNING
ECOTOXIC

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation Information on hazardous ingredients		
Common Name	CAS No	%
Fatty acids as potassium salts		20
Water		80

4. FIRST-AID MEASURES

Description of necessary first aid measures:

Effects and symptoms

First-aid measures

Inhalation: No abnormal effects. If reaction occurs seek medical attention.

Ingestion: Wash out mouth with plenty of water. Get medical attention.
Never give anything by mouth to an unconscious person.

Skin contact: No abnormal effects. Wash area with plenty of soap and water.

Eye contact: May cause irritation to eyes. Flush eyes with copious quantities of flowing water for 15 minutes. Seek medical attention.

Notes to a physician: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

HAZCHEM Code:	2X
Extinguishing media:	Dry powder, carbon dioxide or water spray.
Hazardous thermal (de)composition products:	Not known.
Protection of fire fighters:	Not required.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Wear PVC overalls, chemical resistant gloves, facemask or goggles.
Environmental precautions:	Contain spills.
Methods for cleaning up:	Prevent further spillage. Absorb spilled product and place in sealable container for disposal. Wash down affected area with water. Absorb and collect washings and place in the same sealable container for disposal. Seek advice from the local authority regarding disposal.

7. HANDLING AND STORAGE

Handling:	Avoid contact with eyes and skin.
Storage:	Keep only in the original container. Keep in a cool, dry, well ventilated place away from direct sunlight. Protect from frost. Store at 10-30°C.
Packaging materials:	Plastic HDPE 20 litre containers. Plastic HDPE 200 litre containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace Exposure Guidelines

Exposure standards: None established.

Engineering measures

Exposure control measures: No special ventilation required in enclosed areas.

Personal Protective Equipment

Detail specifications for equipment:

Respiratory system:	Respiratory protection is not required.
Skin and body:	Wear long sleeved shirt, long pants.
Hands:	Use gloves chemically resistant (eg nitrile or neoprene) when prolonged or frequently repeated contact could occur.
Eyes:	Use Safety glasses if exposure possible.
General hygiene:	When handling do not eat, drink or smoke. Wash hands thoroughly after handling. Wash clothing separately before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Colour, Odour:	Opalescent light yellow solution
pH:	10.5-11.5
Vapour Pressure:	Non-volatile
Boiling Point:	N/A
Freezing/melting point:	N/A
Solubility:	100%
Specific gravity:	0.98 – 1.009
Flashpoint:	>100°C
Octanol/water partition coefficient:	N/A
Explosion properties:	Not Explosive.
Oxidation properties:	Not an Oxidising Agent.

10. STABILITY AND REACTIVITY

Stability:	Stable
Conditions to avoid:	Excess heat
Materials to avoid:	Oxidising agents, acids
Hazardous decomposition Products:	None known
Hazardous polymerization:	Not subject to polymerization
Specific Data:	
Hazardous reactions:	None expected

11. TOXICOLOGICAL INFORMATION

Acute toxicity – Oral:	Not determined – low toxicity
Acute toxicity – Dermal:	Not toxic
Acute toxicity – Inhalation:	Not toxic
Skin irritation:	May cause mild irritation through prolonged exposure
Eye irritation:	May cause mild eye irritation
Sensitisation:	Not a sensitiser.

Chronic Toxicity

Mutagenicity:	Not Mutagenic
Reproduction toxicity:	Not a Reproductive toxin
Other Information:	

12. ECOLOGICAL INFORMATION

Ecotoxicity:	Very toxic to aquatic organisms. Not toxic to bees.
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13.DISPOSAL CONSIDERATIONS

Methods of disposal: Triple rinse container and add to spray tank, dispose of container via an Agrecovery® depot or otherwise crush and bury in an approved landfill. Do not contaminate any waterway with chemical or empty container. Ensure that any unwanted product is used in accordance with label directions.

14.TRANSPORT INFORMATION – International transport regulations

UN number N/A
Class or Division: N/A
Packing Group:
Marine Pollutant: N/A
Proper shipping name:

15.REGULATORY INFORMATION

ACVM Registered Number: P7149
HSNO Approval Code: HSR000690

16.OTHER INFORMATION

Additional information: **Original Issue date:** 22 August 2008
Revision Date: N/A
Replaces: N/A

Disclaimer EXCLUSION OF LIABILITY: PLEASE READ

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