

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

1.1 Identifiers

Product Name: TELGATE™

Other Name(s): Suspension concentrate containing fenhexamid 500 g/L

1.2 Recommended use of the chemical and restrictions on use

Product Use: A fungicide for the control of *Botrytis* in grapes, boysenberries, strawberries, lemons oranges and mandarins.

1.3 Supplier contact details:

Company Name Grosafe Chemicals limited :
Address 20 Jean Batten Drive, Mt Maunganui 3116
Telephone 0800 220 002
Email info@grosafe.co.nz

Emergency Telephone Number 0800 CHEMCALL (0800 243 622)

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification of the Hazardous Chemical

Hazardous substance according to Hazardous Substances and New Organisms (HSNO) Act 1996
Classifications: 9.1D

2.2 Label elements:

Pictograms: Not required.

Signal Word: Not required.

Hazard statements:

H402

Precautionary statements:

Prevention

P103 Read label before use.

P273 Avoid release to the environment

Response

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Storage

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Disposal

P501 Dispose of contents/container in accordance with local regulations,

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS	Proportion
Fenhexamid	126833-17-8	500 g/L
Other ingredients	Trade secret	balance

This is a commercial product whose exact ratio of components may vary slightly.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General Information:

Call the National Poison Centre, telephone 0800 POISON [0800 764 766] for advice. Have label or Safety Data Sheet at hand.

Ingestion: If swallowed, do NOT induce vomiting. Rinse mouth with water and then give glass or two of water to drink. Get medical advice if person feels unwell.

Skin Contact: Remove contaminated clothing and wash affected area with soap and water. If irritation persists then get medical advice.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists then get medical attention.

Inhalation: Remove person to fresh air and keep at rest in a position comfortable for breathing until recovered. If person is experiencing respiratory problems, then get medical advice.

4.2 Symptoms caused by exposure

None specified.

4.3 Medical attention and special treatment

Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Suitable extinguishing media

Use water spray, alcohol resistant foam, dry powder or carbon dioxide. Contain to prevent runoff into drains, sewers, waterways.

5.2 Specific hazards arising from the chemical

Fire decomposition products may be harmful if inhaled.

5.3 Special protective equipment and precautions for fire fighters

Wear full personal protective equipment including with self-contained breathing apparatus (SCBA).

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

In the event of an accidental spill, wear full protective clothing including eye and face protection. Wash contaminated personal protective equipment and clothing, and dry before re-use.

6.2 Environmental precautions

Prevent spillage from entering drains or waterways. If contamination of drains, streams, watercourses, etc. is unavoidable, warn the local water authority.

6.3 Methods and materials for containment and cleaning up

Contain spilled liquid, recover into labelled drums that can be sealed for safe disposal. If spray mixture is spilled, absorb and collect in drums. Deal with all spillages immediately.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Read the label before use. Avoid contact with skin and eyes. Wear overalls, gloves and eye protection when handling and product. Wash face and hands after using. Avoid inhalation of spray mist/aerosols. Do not use spray equipment contaminated with this product for any other purposes unless first thoroughly cleaned with a suitable cleaning detergent.

7.2 Conditions for safe storage

Store securely in the closed original packaging out of reach of children and in a dry, cool, well-ventilated area. Keep away from food, drink and animals feeding stuffs.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Control parameters – exposure standards, biological monitoring

Ingredient	TWA (mg/m ³)	STEL (mg/m ³)
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Exposure limits have not been established for any of the significant ingredients in this product. No biological limits applicable.

8.2 Engineering controls

Use outdoors to ensure adequate ventilation.

8.3 Personal protective equipment (PPE)

The following Standards provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: **AS/NZS 4501**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

Eye/Face Protection: Wear protective glasses or goggles when mixing or applying product.

Skin Protection: Wear impervious gloves, and preferably also overalls. Ensure all skin areas are covered.

Respirator: Where product is being sprayed and a mist could be produced a respirator should be worn. It should be fitted with a type G cartridge, suitable for agricultural chemicals.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Brown liquid suspension
Odour	Not specific information
Odour threshold	Not known
pH	6.0 – 8.0
Melting/Freezing Point	No data available
Boiling Point /Range	Not applicable
Flash point	Non flammable
Flammability (solid, gas)	Not applicable
Vapour Pressure	No data available
Vapour density	No data available
Relative density	1.1 -1.2
Solubility	Suspension in water
Partition Co-efficient n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	Not applicable

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

This product is unlikely to react or decompose under normal storage conditions.

10.2 Chemical stability

Stable under normal temperatures and pressure for storage and use.

10.3 Conditions to Avoid

Store in the closed original container in a dry, cool, well-ventilated area and out of direct sunlight.

10.4 Incompatible materials and possible hazardous reactions

No information available.

10.5 Hazardous decomposition products

Fire Decomposition: Carbon monoxide, carbon dioxide, and other unspecified compounds.

Polymerisation: This product will not undergo polymerisation reactions.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Health hazard information

The product is classified for health hazards according to an assessment of information on product.

11.2 Toxicological information

Acute toxicity:	Product is not classified for oral, dermal or inhalation acute toxicity.
Aspiration hazard:	Product contains no solvents identified with aspirant hazard.
Respiratory irritation:	No effects identified.
Skin corrosion/irritation	Product is not classified as skin irritant.
Serious eye damage/irritation:	Product is not classified as being irritant.
Respiratory or skin sensitisation:	No ingredients in product classified as sensitizers.
Germ cell mutagenicity:	No ingredients in product classified as presumed or suspected mutagens.
Carcinogenicity:	No ingredients in product classified as presumed or suspected carcinogens.
Reproductive toxicity:	No ingredients in product classified as presumed or suspected of impairing fertility or the unborn child.
Specific target organ toxicity	
– single/repeated exposure:	No classification applies to product.
Narcotic effects	Product contains no ingredient identified as causing narcotic effects.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Ecotoxicity

This product is classified as being harmful to aquatic organisms.

Fenhexamid ecotoxicity information -

Rainbow trout LC₅₀ (96 h): 1.34 mg/L

Daphnia magna LC₅₀ (48h): >188 mg/L

Scenedesmus subcapitata: growth, EC₅₀ (72h): >26.1 mg/L

Americamysis bahia: LC₅₀ (96 h): 3.9 mg/L

12.2 Environmental Fate

Breakdown in soil and groundwater: Fenhexamid soil degradation DT₅₀ range 0.09 – 8.13 days.

Aqueous photolysis DT₅₀ at pH 7 is 0.05 days.

Bioaccumulation: Fenhexamid is not identified as being bioaccumulative.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Product Disposal

Use the product for its intended purpose according to label. Otherwise dispose of unused product to waste management facility for pesticides or to landfill.

13.2 Container Disposal

Do not use packaging for storage of other products. Triple rinse container and add residue to mixture. If circumstances, especially wind direction, permit the empty containers may be burned, otherwise bury in a suitable land fill.

SECTION 14: TRANSPORT INFORMATION

Road and Rail Transport:

Not classified as Dangerous Good Class according to NZS5433 Transport of Dangerous Goods on Land.

Marine Transport (IMO/IMDG):

Not classified as Dangerous Good Class by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport (ICAO/IATA):

Not classified as Dangerous Good Class 9 by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulation for transport by air.

UN Number: Non regulated.

UN Proper Shipping Name:

Transport hazard class(es):

Packing Group: III

Special Precautions for User: -

IMDG Marine pollutant: No

Transport in Bulk: Not available

SECTION 15: REGULATORY INFORMATION

15.1 HSNO Act 1996

Hazardous substance according to Hazardous Regulations

Approved substance number: HSR000008

Hazardous classifications: 9.1D

Controls: refer to HS Notices (www.epa.govt.nz) and HSW HS Regulations (www.worksafe.govt.nz)

15.2 ACVM Act 1997

Registration number: P009576

Refer to www.foodsafety.govt.nz for registration conditions.

SECTION 16: OTHER INFORMATION

16.1 Date of preparation or last revision of SDS

SDS issued 22nd August 2018

SDS supersedes Not applicable

Reason issued New product

16.2 ABBREVIATIONS

ADI Acceptable Daily Intakes

CAS number Chemical Abstracts Service Registry Number

CCID Chemical Classification Identification Database

EPA Environmental Protection Authority

ErC₅₀ Half maximal Effective Concentration

GHS Globally Harmonized System of Classification and Labelling of Chemicals

Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
HSNO	Hazardous Substances and New Organisms
HS	Health and Safety
HSR	Hazardous Substances Register
IARC	International Agency for Research on Cancer
LC₅₀	Median Lethal Concentration
LD₅₀	Median Lethal Dose
SDS	Safety Data Sheets
NOAEL	No Observable Adverse Effect Level
NOEL	No Observable Effect Level
NOS	Not otherwise specified
STEL	Short Term Exposure Limit
SWA	Safety Work Australia
TWA	Time-Weighted Average
UN Number	United Nations Number

16.3 REFERENCES

Manufacturer information
 EPA CCID and Approved Substance databases
 University of Hertfordshire Pesticides Properties Database

16.4 OTHER

Telgate is a trademark of Grosafe Chemicals Ltd

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End of Safety Data Sheet