

Safety Data Sheet **PECTINASE**

SDS no. AQVQEKLS • Version 1.0 • Date of issue: 2024-06-05

SECTION 1: Identification

GHS Product identifier

Product name PECTINASE

Other means of identification

Pectinase LR PL379

Recommended use of the chemical and restrictions on use

Laboratory and analytical reagent

Supplier's details

Name ChemSupply Australia Pty Ltd
Address 38-50 Bedford Street
5013 Gillman South Australia
Australia

Telephone 08 8440 2000
email www.chemsupply.com.au

Emergency phone number

CHEMCALL 1800 127 406 (Australia) / +64-4-917-9888 (International)

SECTION 2: Hazard identification

General hazard statement

Not classified as dangerous goods according to the Australian Dangerous Goods Code (ADG).

Classified as Hazardous according to the Globally Harmonised System of classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Classification of the substance or mixture

GHS classification in accordance with: UN GHS revision 7

- Respiratory sensitizer, Cat. 1

GHS label elements, including precautionary statements

Pictograms



Signal word

Danger

Hazard statement(s)

H334

May cause allergy or asthma symptoms or breathing difficulties if inhaled

Precautionary statement(s)

P261

Avoid breathing dust/fume/gas/mist/vapors/spray.

P284

[In case of inadequate ventilation] wear respiratory protection.

P304+P340

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P342+P311

If experiencing respiratory symptoms: Call a POISON CENTER/doctor/physician

P501

Dispose of contents/container to an approved waste disposal facility

SECTION 3: Composition/information on ingredients

Mixtures

Components

Component	CAS no.	Concentration
Polygalacturonase (EC no.: 232-885-6)	9032-75-1	<= 10 % (weight)
CLASSIFICATIONS: Respiratory sensitizer, Cat. 1. HAZARDS: H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.		
Endo-beta-1,4-mannanase (EC no.: 253-446-5)	37288-54-3	<= 10 % (weight)
CLASSIFICATIONS: Respiratory sensitizer, Cat. 1. HAZARDS: H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.		
Water (EC no.: 231-791-2)	7732-18-5	30 - <= 60 % (weight)
CLASSIFICATIONS: No data available. HAZARDS: No data available.		
Glycerine (EC no.: 200-289-5)	56-81-5	30 - <= 60 % (weight)
CLASSIFICATIONS: No data available. HAZARDS: No data available.		

SECTION 4: First-aid measures

Description of necessary first-aid measures

General advice

Advice to Doctor: Treat asthma in the normal way and remove patient from further exposure to enzyme dust until symptoms are controlled. Advise workplace of the need to control dust exposure. Patient may require high level of respiratory protection if a trial return to same work is attempted.

Treat allergic contact dermatitis in the normal way and remove patient from further exposure until control is achieved. Advise workplace of need to control worker exposure. Advise worker on need for high levels of skin care if trial of return to same work is attempted.

If inhaled

If inhaled, remove from contaminated area to fresh air immediately, avoid becoming a casualty. Make patient comfortable, keep warm and at rest until fully recovered. If breathing is difficult (or develops a bluish skin discolouration), supply oxygen by a qualified person. Apply artificial respiration with a respiratory medical device if not breathing. Do not use mouth to mouth resuscitation. Immediate medical attention is required.

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In case of skin contact

Wash skin with water using soap if available. If rapid recovery does not occur, obtain medical attention

In case of eye contact

In case of contact with eyes, wash with running water holding eyelids open. Take care not to rinse contaminated water into a non-affected eye. If irritation persists seek medical advice.

If swallowed

Rinse mouth thoroughly with water immediately, repeat until all traces of product have been removed. DO NOT INDUCE VOMITING. Seek medical advice if effects persist.

Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

Indication of immediate medical attention and special treatment needed, if necessary

For advice, contact the National Poisons Information Centre (Phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Use appropriate extinguishing media to suit surrounding area.

Specific hazards arising from the chemical

May cause sensitisation by inhalation of dust or aerosols.

Special protective actions for fire-fighters

Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. Fight fire from safe location.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Use appropriate personal protection (see Section 8). Provide for sufficient ventilation. Avoid contact with product. Contain and remove spilled product by mechanical means or with a vacuum cleaner equipped with a high efficiency filter. Avoid generation of aerosols with high pressure sprays.

Methods and materials for containment and cleaning up

Small Spillages: Absorb or contain liquid with sand, earth or spill control material. Shovel up using non sparking tools and place in a labelled, sealable container for subsequent safe disposal. Put leaking containers in a labelled drum or overdrum.

SECTION 7: Handling and storage

Precautions for safe handling

Use personal protection (see Section 8). Avoid formation of aerosols. Provide adequate ventilation when handling this product.

Conditions for safe storage, including any incompatibilities

Store in a cool, dry place.

SECTION 8: Exposure controls/personal protection

Appropriate engineering controls

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits.

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate. Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336.

Skin protection

Clean impervious clothing should be worn. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.

Hand Protection: Ensure hand protection complies with AS 2161, Occupational protective gloves - Selection, use and maintenance.

Body protection

Footwear: Safety boots in industrial situations is advisory, foot protection should comply with AS 2210, Occupational protective footwear - Guide to selection, care and use.

Body Protection: Clean clothing or protective clothing should be worn, preferably with an apron. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.

Respiratory protection

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapor/ mist filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements. Reference should be made to Australian Standards AS/ NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

SECTION 9: Physical and chemical properties

Basic physical and chemical properties

Physical state	Solid
Appearance	Amber to dark brown liquid.
Color	No data available.
Odor	Typical fermentation odour.
Odor threshold	No data available.
Melting point/freezing point	No data available.
Boiling point or initial boiling point and boiling range	100°C
Flammability	No data available.
Lower and upper explosion limit/flammability limit	No data available.
Flash point	No data available.
Explosive properties	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Oxidizing properties	No data available.
pH	4.5 - 5.5
Kinematic viscosity	No data available.
Solubility	Solubility in Water: Completely soluble.
Partition coefficient n-octanol/water (log value)	No data available.
Vapor pressure	13mm at 20°C
Evaporation rate	No data available.
Density and/or relative density	Specific Gravity: 1.10 - 1.30
Relative vapor density	No data available.
Particle characteristics	No data available.

Supplemental information regarding physical hazard classes

No data available.

Further safety characteristics (supplemental)

No data available.

SECTION 10: Stability and reactivity

Reactivity

Stable under normal conditions of storage and handling.

Chemical stability

Stable under normal conditions of use and storage.

Possibility of hazardous reactions

Hazardous Polymerization: Will not occur.

Conditions to avoid

Avoid storing in direct sunlight and avoid extremes of temperature.

Incompatible materials

Strong bases, Strong oxidizing agents

Hazardous decomposition products

No data available.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Ingestion: May be harmful if swallowed.

Inhalation: Repeated inhalation of aerosol or dust may cause sensitisation and will cause allergic type reactions in sensitised individuals.
May be irritating.

Skin corrosion/irritation

May cause skin irritation with prolonged contact.

Serious eye damage/irritation

Direct contact with eyes may cause irritation.

Respiratory or skin sensitization

May cause allergy or asthma symptoms or breathing difficulties if inhaled

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

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Reproductive toxicity

No data available.

Summary of evaluation of the CMR properties

No data available.

Specific target organ toxicity (STOT) - single exposure

No data available.

Specific target organ toxicity (STOT) - repeated exposure

No data available.

Aspiration hazard

No data available.

Additional information

No data available.

SECTION 12: Ecological information

Toxicity

This product is not believed to be dangerous to the environment with respect to mobility, persistency and degradability, bioaccumulative potential, aquatic toxicity and other measures of relating to ecotoxicity.

SECTION 13: Disposal considerations

Disposal methods

Product disposal

Liquid spills should be flushed with water to approved sewer (avoid high pressure rinsing). Vacuum or moisten any dried spills with water and collect into closed impermeable disposal containers. Do not use cleaning methods that generate dust or aerosol. Dispose of closed containers of absorbed material into landfill in accordance with local regulations.

Other disposal recommendations

Do not discharge this material into waterways, drains and sewers.

SECTION 14: Transport information

ADG (Road and Rail)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information

SECTION 16: Other information

Further information/disclaimer

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Standard for the Uniform Scheduling of Medicines and Poisons, Commonwealth of Australia

National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.'

Safe Work Australia, 'National Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals', July 2020.

Safe Work Australia, 'National Guide for Classifying Hazardous Chemicals', July 2020.

Safe Work Australia, Workplace Exposure Standards for Airborne Contaminants, December 2019

Safe Work Australia, Hazardous Chemical Information System (HCIS), hcis.safeworkaustralia.gov.au

IATA, Dangerous Goods Regulations (DGR)

IMO, International Maritime Dangerous Goods Code (IMDG)