

Safety Data Sheet

Environmental Protection Authority

Hazardous Substances (identification)
Regulations 2004 (NZ)



Product Name Cycloheximide 0.5% Solution	Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.
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Section 1

Manufacturer's Name: Pacific Rim Oenology Services	Emergency Telephone Number: National Poisons 24hr: 0800 764 766
Address (Number, Street, City, Region, and Post Code): 4 Bristol St, Riverlands, Blenheim, Marlborough, 7274	Telephone Number for Information: (+64) (0) 3 577-9000
PO Box 1132, Blenheim 7240	Original - Issue date: 25/07/17 - 13/11/17
New Zealand	

Section 2 - Hazard(s) identification

Hazardous Components (Specific Chemical Identity; Common Name(s))	HSNO for components	Classification
Cycloheximide #66-81-9	HSR004416	6.6B, 6.8A, 9.1B, 9.3A, 3.1D, 6.1C, 6.1E, 6.3B

Section 3 - Label Elements



Signal Word

Danger

Hazard statements

H302 - Harmful if swallowed

H360 - May damage fertility or the unborn child

Precautionary statements

P201 - Obtain special instructions before use

P202 - Do not handle until all safety precautions have been read and understood

P264 - Wash hands, forearms and face thoroughly after handling

P270 - Do not eat, drink or smoke when using this product

P281 - Use personal protective equipment as required

P301 + P312 - IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell

P308 + P313 - IF exposed or concerned: Get medical advice/ attention

P320 - Rinse mouth

P405 - Store locked up

P501 - Dispose of contents/container to an approved waste disposal plant

Section 4 - Composition and information on ingredients

Component	CAS-No	Weight %
Cycloheximide	66-81-9	0-1

Section 5 - First Aid Measures

Protection of First-aiders	Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.
Most important symptoms/effects	Cycloheximide contains reproductive toxicants. Irritating to skin, eyes mucous membranes and may be fatal if swallowed.
Inhalation	Move to fresh air. If not breathing, give artificial respiration. consult a physician.
Ingestion	Clean mouth with water. Never give anything by mouth to an unconscious person. Consult a physician.
Skin Contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Consult a physician.
Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
First Aid Facilities	Eyewash, safety shower and washroom.
Notes to Physician	Treat symptomatically. Symptoms may be delayed.

Section 6 - Fire Fighting Measures

Suitable Extinguishing Media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing Media

No information available.

Hazardous Combustion Products

Specific Hazards Arising from the Chemical

No information available.

Special protective equipment and precautions for fire fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 7 - Accidental Release Measures

Emergency procedures

Use personal protective equipment.

Avoid breathing vapours, mist or gas.

Ensure adequate ventilation.

Evacuate personnel to safe areas.

Environmental Precautions

See Section 13 for additional ecological information.

Do not flush into surface water or sanitary sewer system.

Methods for Containment and Clean Up

Soak up with absorbant paper and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

Clean the area with 0.5% (sodium hypochlorite) bleach solution.

Reference to Other Sections

Section 8 - Handling and Storage

Precautions for Safe Handling

Avoid exposure - obtain special instructions before use.
Avoid contact with skin and eyes,
Avoid inhalation of vapour or mist.

Conditions for Safe Storage, Including any Incompatibilities

Keep container tightly closed in a dry and well-ventilated place.
Recommended storage temperature 2 - 8 °C
AS/NZS 2243.10:2004, Safety in Laboratories - Storage of chemicals

Section 9 - Exposure Controls and Personal Protection

Exposure limits

Workplace Exposure Standards and Biological Exposure Indices (8th edition). New Zealand Department of Labour

This product, as supplied does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Biological limit values

Substances assigned Biological Exposure Indices in the New Zealand Workplace Exposure Standards and Biological Exposure Indices (8th edition). New Zealand Department of Labour.

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Engineering Measures

Ensure adequate ventilation, especially in confined areas. Use explosion-proof electrical/ventilating/lighting/equipment. Wherever possible, engineering control measures such as the isolation or enclosure of the process, the introduction of process or equipment changes to minimise release or contact, and the use of properly designed ventilation systems, should be adopted to control hazardous materials at source.

Personal protective equipment

Eye Protection	Safety glasses with side-shields (Australian/New Zealand Standard AS/NZS 1337 - Eye protectors for Industrial applications).
Hand Protection	Protective gloves.
Skin and body protection	Long sleeved clothing.
Respiratory Protection	Use an AS/NZS 1716 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. To protect the wearer, respiratory protective equipment must be the correct fit and be used and maintained in line with AS/NZS 1715 on the use and maintenance of respiratory protective devices.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice.
Environmental exposure controls	Prevent product from entering drains. Do not allow material to contaminate ground water system.

Section 10 - Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Clear Colourless
Physical State	Liquid
Odour	Odourless
Odour Threshold	No data available
pH	No data available
Melting Point/Range	No data available

Softening Point	No data available
Boiling Point/Range	No data available
Flash Point	No data available
Evaporation Rate	No data available
Flammability (solid, gas)	Not applicable - Liquid
Explosion Limits	No data available
Vapour Pressure	No data available
Vapour Density	No data available
Specific Gravity / Density	No data available
Bulk Density	Not applicable
Water Solubility	Soluble
Solubility in other solvents	No information available
Partition Coefficient (n-octanol/water)	
Component	log Pow
Cycloheximide	0.55
Autoignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available
Explosive Properties	No information available
Oxidising Properties	No information available
Other information	
Molecular Formula	No data available
Molecular Weight	No data available

Section 11 - Stability and Reactivity

Reactivity	None known, based on information available
Stability	Stable under normal conditions
Conditions to Avoid	Keep away from open flames, and strong oxidising materials
Hazardous Decomposition Products	Nature of decomposition products not known
Hazardous Polymerisation	Hazardous polymerisation does not occur

Section 12 - Toxicological Information

Information on Toxicological Effects
Product Information

a) acute toxicity;	
Oral	Category 2
Dermal	No data available
Inhalation	No data available
(b) skin corrosion/irritation;	No data available
(c) serious eye damage/irritation;	No data available
(d) respiratory or skin sensitisation;	No data available
Respiratory	No data available
Skin	No data available
(e) germ cell mutagenicity;	Based on available data, the classification criteria are not met

(f) carcinogenicity;	Not a known carcinogen
(g) reproductive toxicity;	Category 1B
(h) STOT-single exposure;	No data available
(i) STOT-repeated exposure;	No data available
Target Organs	No data available
(j) aspiration hazard;	No data available
Symptoms / effects, both acute and delayed	Cycloheximide contains reproductive toxicants. Irritating to skin, eyes mucous membranes and may be fatal if swallowed.

Section 13 - Ecological Information

Ecotoxicity effects	Contains substances known to be harmful to the environment - aquatic organisms
Persistence and Degradability	
Persistence	Persistence is unlikely, based on information available.
Degradation in sewage	Contains substances known to be hazardous to the environment
Treatment plant	Water treatment plants
Bioaccumulative Potential	Bioaccumulation is unlikely
Mobility	The product is water soluble, and may spread in water systems. Will likely be mobile in the environment due to its water solubility. Highly mobile in soils.
Endocrine Disruptor Information	This product does not contain any known or suspected endocrine disruptors
Persistent Organic Pollutant	This product does not contain any known or suspected substance
Ozone Depletion Potential	This product does not contain any known or suspected substance

Section 14 - Disposal Considerations

Waste from Residues / Unused Products	Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected. Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with all federal, E.P.A., state and local regulations. Assure conformity with all applicable regulations.
Contaminated Packaging	Dispose of this container to hazardous or special waste collection point. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep product and empty container away from heat and sources of ignition.
Other Information	Disposal agencies or waste contractors must comply with the New Zealand Hazardous Substances (Disposal) Regulations. Do not dispose of waste into sewer. Waste codes should be assigned by the user based on the application for which the product was used. Can be incinerated, when in compliance with local regulations.

Section 15 - Transport Information

IMDG/IMO

UN-No Not regulated
Proper Shipping Name
Hazard Class
Packing Group

NZS 5433:2012

UN-No Not regulated
Proper Shipping Name
Hazard Class
Packing Group

IATA

UN-No Not regulated
Proper Shipping Name
Hazard Class
Packing Group

Environmental hazards Contains products that can be harmful to the aquatic environment
Special Precautions Wear gloves
Additional information None known

Section 16 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Component	HSNO Approval Number
Cycloheximide solution	HSR002596

Section 17 - Other Information

Legend

POW - Partition Coefficient Octanol:Water

Key literature references and sources for data

Suppliers safety data sheet, EPA, NZTA, NZ Safety

For a correlation of GHS and HSNO classes and categories refer to:

<http://www.epa.govt.nz/publications/hsnogen-ghs-nz-hazard.pdf>

Training Advice

Chemical hazard awareness training, incorporating labelling, Safety Data Sheets (SDS), Personal Protective Equipment (PPE) and hygiene.

Use of personal protective equipment, covering appropriate selection, compatibility, breakthrough thresholds, care, maintenance, fit and standards.

First aid for chemical exposure, including the use of eye wash and safety showers.

Chemical incident response training.

Fire prevention and fighting. identifying hazards and risks. static electricity. explosive atmospheres posed by

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Disclaimer

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End of Safety Data Sheet