Safety Data Sheet
Environmental Protection Authority

Hazadous Substances (identification)
Regulations 2004 (NZ)

Product Name **WL Nutrient Agar plus Cycloheximide (50ppm)**	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.

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:** 26/07/17 - 16/11/17
New Zealand	

Section 2 - Hazard(s) identification

Hazardous Components (Specific Chemical Identity; Common Name(s))		HSNO for components	Classification
Agar	#9002-18-0	NA	NA
Cycloheximide	#66-81-9	HSR004416	6.1B, 6.6B, 6.8A, 9.1B, 9.3A

Section 3 - Label Elements

None required

Signal Word None required

Hazard statements
H302 - Harmful if swallowed

Precautionary statements
None required

Section 4 - Composition and information on ingredients

Component	CAS-No	Weight %
Agar	9002-18-0	1-2
Cycloheximide	66-81-9	0-0.5

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	Not expected to be a health hazard. No special measures required. Pregnant women should avoid skin exposure or ingestion (cycloheximide).
Inhalation	Move to fresh air.
Ingestion	Clean mouth with water and drink afterwards plenty of water.
Skin Contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes. If symptoms persist 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
Carbon dioxide, dry chemical powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Unsuitable extinguishing Media
No information available.

Hazardous Combustion Products
Specific Hazards Arising from the Chemical
Carbon oxides

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
Not required

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
No special measures required

Reference to Other Sections
Refer to protective measures listed in Sections 9 and 14.

Section 8 - Handling and Storage

Precautions for Safe Handling
No special measures required

Conditions for Safe Storage, Including any Incompatibilities
Keep container tightly closed in a dry and well-ventilated place.
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.

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.
Repiratory 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 repiratory protective devices.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice.
Environmental exposure controls	No information available.

Section 10 - Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Blue-green
Physical State	Gel at room temperature
Odour	No information available
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 - Gel
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**
Ethyl alcohol	Not applicable
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.
Hazardous Decomposition Products	None under normal use conditions
Hazardous Polymerisation	No information available

Section 12 - Toxicological Information

Information on Toxicological Effects
Product Information

a) acute toxicity;	
Oral	Catergory 2
Dermal	Based on available data, the classification criteria are not met
Inhalation	Based on available data, the classification criteria are not met
(b) skin corrosion/irritation;	Based on available data, the classification criteria are not met
(c) serious eye damage/irritation;	Based on available data, the classification criteria are not met
(d) respiratory or skin sensitisation;	Based on available data, the classification criteria are not met
Respiratory	Based on available data, the classification criteria are not met
Skin	Based on available data, the classification criteria are not met
(e) germ cell mutagenicity;	Based on available data, the classification criteria are not met
(f) carcinogenicity;	Based on available data, the classification criteria are not met
(g) reproductive toxicity;	No data available
(h) STOT-single exposure;	Based on available data, the classification criteria are not met
(i) STOT-repeated exposure;	Based on available data, the classification criteria are not met
Target Organs	None known
(j) aspiration hazard;	Based on available data, the classification criteria are not met
Symptoms / effects, both acute and delayed	Not expected to be a health hazard. No special measures required. Pregnant women should avoid skin exposure or ingestion (cyclo-heximide).

Section 13 - Ecological Information

Ecotoxicity effects	Contains no substances known to be hazardous to the environment.
Persistence and Degradability	
Persistence	Persistence is unlikely, based on information available.
Degradation in sewage	Contains no substances known to be hazardous to the environment or not degradable
Treatment plant	Water treatment plants
Bioaccumulative Potential	Bioaccumulation is unlikely
Mobility	The product is soluble in water, and may spread in water systems. Will likely be mobile in the environment due 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.
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	No hazards identified
Special Precautions	No special precautions required
Additional information	None known

Section 16 - Regulatory Information

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

Component	HSNO Approval Number
Agar	NA

Section 17 - Other Information

Legend
POW - Partition Coefficiant 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 vapours and dusts.

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Revision Summary: Update toxicology

Version: 3

Owner: Laboratory Manager