

Safety Data Sheet

Environmental Protection Authority

Hazardous Substances (identification)
Regulations 2004 (NZ)



Product Name
pH Soak 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.

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: 24/07/17 -14/11/17
New Zealand	

Section 2 - Hazard(s) identification

Hazardous Components (Specific Chemical Identity; Common Name(s))	HSNO for components	Classification
Potassium Phosphate #7778-77-0	HSR006657	6.1E, 6.4A
Sodium Phosphate #7558-79-4	HSR003172	6.3B, 6.4A
Potassium Chloride #7447-40-7	HSR006659	6.1E, 6.3B, 6.4A, 9.3C
Thymol #89-83-8	HSR003803	6.1D, 8.2C, 8.3A, 9.1D, 9.3C

Section 3 - Label Elements



Signal Word

Warning

Hazard statements

H303 Harmful if swallowed

H316 Causes mild skin irritation

H319 Causes serious eye irritation

Precautionary statements

P102 Keep out of reach of children

P103 Read label before use

P280 Wear eye protection

P264 Wash thoroughly after handling

ing

P337 + P313 If eye irritation persists: Seek medical advice

Section 4 - Composition and information on ingredients

Component	CAS-No	Weight %
Potassium Phosphate	7778-77-0	0-1
Sodium Phosphate	7558-79-4	0-1
Potassium Chloride	7447-40-7	11
Thymol	89-83-8	pinch

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	No adverse health effects are expected with the normal use of this product. May cause slight skin and eye irritation.
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.
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 extinguishing measures that are appropriate to local circumstances and surrounding environment.

Unsuitable extinguishing Media

No information available.

Hazardous Combustion Products

Specific Hazards Arising from the Chemical

Non-flammable

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 as required.

Thermal decomposition can lead to the release of irritating gases/vapours.

Restrict access to the area until completion of clean-up.

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

Use inert absorbant material. Keep in suitable, closed containers for disposal.

Reference to Other Sections

Refer to protective measures listed in Sections 9 and 14.

Section 8 - Handling and Storage

Precautions for Safe Handling

Limit all unnecessary personal contact.

Use in a well ventilated area.

Always wash hands with soap and water after handling.

Conditions for Safe Storage, Including any Incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

Keep away from heat and sources of ignition.

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.
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	No information available

Section 10 - Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Clear Colourless
Physical State	Liquid
Odour	Slight menthol odour due to thymol
Odour Threshold	No data available
pH	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
Ethyl alcohol	No data available
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, heat and sparks, strong acids/bases/oxidising agents
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	Category 5
Dermal	No data available
Inhalation	No data available
(b) skin corrosion/irritation;	Category 3
(c) serious eye damage/irritation;	Category 2A
(d) respiratory or skin sensitisation;	No data available
Respiratory	No data available
Skin	No data available

(f) carcinogenicity;	There are no known carcinogenic chemicals in this product
(g) reproductive toxicity;	No data available
(h) STOT-single exposure;	No data available
(i) STOT-repeated exposure;	No data available
Target Organs	None known
(j) aspiration hazard;	No data available
Symptoms / effects, both acute and delayed	No adverse health effects are expected with the normal use of this product. May cause slight skin and eye irritation.

Section 13 - Ecological Information

Ecotoxicity effects	Contains a substance which is: Toxic to aquatic organisms. The product contains following substances which are hazardous for the environment - Potassium chloride
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 in waste
Treatment plant	Water treatment plants
Bioaccumulative Potential	Bioaccumulation is unlikely
Mobility	The product is soluble, and may spread in water systems. will likely be mobile in the environment due its 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

The product contains following substances which are hazardous for the environment:

Component	Freshwater Fish	Water Flea	Freshwater Algae	Microtox
Potassium Chloride	Lepomis macrchrus: LC50: 1060 mgL/96hrs	EC50: 825 mg/L/48hr	EC50: 2500 mg/L/72hr	

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 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
pH Soak Solution	HSR002596

Section 17 - Other Information

Legend

WEL - Workplace Exposure Limit

TWA - Time Weighted Average

POW - Partition Coefficient Octanol:Water

LC50 - Lethal Concentration 50%

EC50 - Effective Concentration 50%

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:

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.

Revision Date: 17/08/2020

Revision Summary: Update toxicology

Version: 3

Owner: Laboratory Manager

Disclaimer

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End of Safety Data Sheet