

Safety Data Sheet

Environmental Protection Authority

Hazardous Substances (identification)
Regulations 2004 (NZ)



Product Name
Rebelein Z6

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: 19/07/17 - 15/11/17
New Zealand	

Section 2 - Hazard(s) identification

Hazardous Components (Specific Chemical Identity; Common Name(s))	HSNO for components	Classification
Sodium Thiosulphate #7772-98-7	HSR006626	6.3B, 6.5B
Sodium Hydroxide #1310-73-2	HSR001587	6.1E, 6.3A, 6.4A

Section 3 - Label Elements



Signal Word

Warning

Hazard statements

H303 - Harmful if swallowed
H316 - Causes mild skin irritation
H317 - May cause an allergic skin reaction

Precautionary statements

P102 - Keep out of reach of children
P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.
Rinse skin with water/shower.
P501- Dispose of contents/container to an approved waste disposal plant

Section 4 - Composition and information on ingredients

Component	CAS-No	Weight %
Sodium Thiosulphate	7772-98-7	0-2
Sodium Hydroxide	1310-73-2	2

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	Can cause respiratory, gastrointestinal, eye and skin irritation. or an allergic reaction.
Inhalation	Move to fresh air, seek medical attention if necessary.
Ingestion	Clean mouth with water and drink afterwards plenty of water. Seek medical attention if necessary.
Skin Contact	Wash exposed area with soap and water, remove all affected clothing and or shoes. Seek medical attention if an irritation occurs.
Eye Contact	Immediately flush the eyes with plenty of water for at least 15 minutes. Seek medical attention.
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

There is no restriction on the type of extinguisher which may be used. Use extinguishing media suitable for the surrounding area.

Unsuitable extinguishing Media

None known

Hazardous Combustion Products

Specific Hazards Arising from the Chemical

Thermal decomposition can lead to release of irritating gases and vapors.

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.

Thermal decomposition can lead to release of irritating gases and vapors.

Section 7 - Accidental Release Measures

Emergency procedures

Use personal protective equipment.

Ensure adequate ventilation.

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

Clean up all spills immediately.

Wipe up using water and absorbent.

Place in a suitable, labelled container for waste disposal.

Reference to Other Sections

Refer to protective measures listed in Sections 9 and 14.

Section 8 - Handling and Storage

Precautions for Safe Handling

Ensure adequate ventilation.

Wear protective clothing when risk of exposure occurs.

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.

The product does not contain any hazardous materials with 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 eye wash stations and safety showers are close to the workstation location. 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, natural rubber, nitrile rubber, neoprene, PVC (AS/NZS 2161.1).
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	Odourless
Odour Threshold	No data available
pH	7
Melting Point/Range	No data available
Softening Point	No data available
Boiling Point/Range	No data available

Flash Point	No information 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	1.0
Bulk Density	Not applicable
Water Solubility	Freely 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	Incompatible products, heat, flames, sparks
Hazardous Decomposition Products	None under normal use conditions
Hazardous Polymerisation	Hazardous polymerisation will not occur

Section 12 - Toxicological Information

Information on Toxicological Effects
Product Information

a) acute toxicity;	
Oral	Category 5
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;	Category 3
(c) serious eye damage/irritation;	Based on available data, the classification criteria are not met
(d) respiratory or skin sensitization;	
Respiratory	Based on available data, the classification criteria are not met
Skin	Category 1
(e) germ cell mutagenicity;	No data available
(f) carcinogenicity;	There are no known carcinogenic chemicals in this product

(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	Can cause respiratory, gastrointestinal, eye and skin irritation or an allergic reaction

Section 13 - Ecological Information

Ecotoxicity effects	Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants.
Persistence and Degradability	
Persistence	Soluble in water 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 water plants.
Treatment plant	Contains no substances known to be hazardous to the environment or not degradable in 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	Empty remaining contents. Dispose of in accordance with local regulations. Do not re-use empty containers.
Other Information	Disposal agencies or waste contractors must comply with the New Zealand Hazardous Substances (Disposal) Regulations. Do not empty into the drains. 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.

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
Z6	HSR002596

Section 17 - Other Information

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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Version: 3

Owner: Laboratory Manager

Disclaimer

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