

## V-GUARD 232 Scale Inhibitor

Classified as: Non-hazardous according to the EPA Hazardous Substances (Minimum Degrees of Hazard) Notice 2017.

### SECTION 1: SUBSTANCE AND SUPPLIER DETAILS

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<b>Product Name:</b>	V-GUARD 232
<b>Supplier:</b>	Visentia Ltd 119 Carbine Road Mt Wellington Auckland 1060 New Zealand
<b>Telephone:</b>	+64 9 216 9824
<b>Recommended Use:</b>	Water Treatment Chemical
<b>In Case of Emergency Contact:</b>	0800 CHEMCALL (243 622)

### SECTION 2: HAZARDS IDENTIFICATION

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V-GUARD 232 is not classified as a Dangerous Good for Transport.

V-GUARD 232 is considered a Hazardous Substance according to the criteria of the New Zealand Hazardous Substances New Organisms legislation.

Classified under the group standard "Water Treatment Chemicals (Subsidiary Hazard) Group Standard 2017".

<b>HSNO Approval Number:</b>	HSR002684
<b>HSNO Classifications:</b>	8.3A – Corrosive to eyes
<b>GHS Classification:</b>	Serious Eye Damage – Category 1
<b>Hazard Statements:</b>	H318 – Causes serious eye damage.

**GHS Pictograms:**



**Signal Word:** DANGER

**Prevention Statements:** P280 – Wear protective gloves/protective clothing/eye protection/face protection.



**Response Statements:** 305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 – Immediately call a POISON CENTER/doctor/physician/first aider.

**Storage:** None

**Disposal:** In accordance with the EPA Hazardous Substances (Disposal) Notice 2017. Refer to Section 13 of this SDS.

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### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

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Main Component	CAS Number	Concentration
EDTA tetrasodium salt	64-02-8	1-5%

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

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### SECTION 4: FIRST AID MEASURES

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**Workplace Facilities Required:** No special requirements.

**If Inhaled:** Remove to fresh air. Seek medical attention if symptoms persist.

**In Contact with Eye:** Hold eyes open, flush with water for at least 15 minutes. Seek medical attention if irritation develops and persists.

**In Contact with Skin:** Wash skin with plenty of water. Seek medical attention if skin irritation develops and persists.

**If Swallowed:** DO NOT INDUCE VOMITING. Rinse mouth. Give small quantities of water. Never give anything by mouth to an unconscious person. Seek medical attention if symptoms develop and persist. If vomiting occurs, keep head below hips to prevent aspiration to lungs.

**Advice to Doctor:** Treat symptomatically.

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### SECTION 5: FIRE FIGHTING MEASURES

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**Fire/Explosion Hazard:** Product is not flammable or combustible.

**Suitable Extinguishing Media:** Use extinguisher suitable for surrounding environment and materials.

**Precautions in Connection with Fire:** May form toxic or corrosive fumes.

**Advice for firefighters:** Wear full firefighting gear and self-contained breathing apparatus.

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### SECTION 6: ACCIDENTAL RELEASE MEASURES

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An emergency response plan is not required under Part 5 of the Health and Safety at Work (Hazardous Substances) Regulations 2017.



<b>Precautions:</b>	Clear area of all unprotected personnel. Keep unnecessary and unprotected personnel from entering area.
<b>Suitable Protective Equipment:</b>	Emergency responders must use personal protective equipment, including gloves and safety glasses with side shields or safety goggles. Respiratory protection is not normally required.
<b>Spill or Leak Procedures:</b>	Absorb the spill with suitable absorbent material and collect into a properly labelled waste container for disposal. Residual quantities may be washed away with water.
<b>Waste Disposal Methods:</b>	Dispose of as per Section 13.
<b>Emergency Preparation:</b>	Ensure there is appropriate and adequate personal protective equipment, trained personnel and clean up materials for management of accidental release.

## SECTION 7: HANDLING AND STORAGE

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<b>Precautions for Safe Handling:</b>	Do not eat drink or smoke when using this product. Remove contaminated clothing and wash hands and face before entering eating areas.
<b>Storage:</b>	Store in a closed container. Keep away from heat and direct sunlight.
<b>Site Storage Requirements:</b>	Site Signage is not required.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

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<b>Workplace Exposure Standards NZ:</b>	No Workplace Exposure Standards have been established for this product.
<b>Engineering Controls:</b>	Not normally required during typical handling and use. General ventilation is adequate for typical use of product.
<b>Personal Protective Equipment:</b>	Observe good chemical hygiene practice.
<b>Hand protection:</b>	Wear protective gloves to avoid product getting on hands and possible transfer to other areas. Refer to Australian and New Zealand Standard AS/NZS 2161 for protective gloves.
<b>Skin and body protection:</b>	Protective clothing is recommended if handling large quantities. Refer to Australian and New Zealand Standard AS/NZS 4501 for occupational protective clothing.
<b>Eye protection:</b>	Use safety glasses with side shields to protect eyes. Refer to AS/NZS 1336 for suitable eye and face protection.
<b>Respiratory protection:</b>	Not normally required under typical use conditions.
<b>Other information:</b>	Handle in accordance with safe industrial hygiene practices.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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<b>Description:</b>	Liquid	<b>Colour:</b>	Light brown, clear
<b>Odour:</b>	None	<b>Odour Threshold:</b>	Not applicable
<b>pH (25°C):</b>	7.0	<b>Solubility (water, 25°C):</b>	Miscible
<b>Melting/Freezing point:</b>	Not available	<b>Boiling Point:</b>	100°C
<b>Flammability:</b>	Non-flammable	<b>Flash Point:</b>	Not applicable
<b>UEL/LEL:</b>	Not applicable	<b>Vapour Pressure (20°C):</b>	2.3 kPa



<b>Decomposition Temp:</b>	Not determined	<b>Autoignition Temp:</b>	Not applicable
<b>Relative Density:</b>	1.15	<b>Vapour Density:</b>	> 1
<b>Partition Coefficient:</b> n-octanol/water	Not available	<b>Viscosity:</b>	Not determined

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**SECTION 10: STABILITY AND REACTIVITY**

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<b>Stability:</b>	Stable under normal storage conditions.
<b>Reactivity:</b>	No dangerous reactions known.
<b>Conditions to Avoid:</b>	None known.
<b>Incompatibility:</b>	None known.
<b>Hazardous Decomposition:</b>	May form toxic or corrosive fumes.

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**SECTION 11: TOXICOLOGICAL INFORMATION**

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**Acute Exposure**

<b>Acute Toxicity:</b>	LD50 oral > 5000 mg/kg. LD50 dermal > 5000 mg/kg LC <sub>50</sub> inhalation (mist/spray) > 5.0 mg/L
<b>Inhalation:</b>	Not expected to cause toxic effects or be a respiratory irritant.
<b>Ingestion:</b>	Not expected to cause toxic effects.
<b>Skin Contact:</b>	Not expected to be a skin irritant.
<b>Eye Contact:</b>	Corrosive to eyes.
<b>Sensitiser:</b>	Not expected to be a respiratory or contact sensitiser.

**Chronic Exposure**

<b>Mutagen, Carcinogen, or Reproductive Toxicant:</b>	No chronic toxicity effects expected.
<b>Specific Target Organ Systemic Toxicity:</b>	No known toxic or harmful effects on human target organs or systems.  Toxicity data is based on hazardous ingredient information and information in the EPA Chemical Classification and Identification Database.

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**SECTION 12: ECOLOGICAL INFORMATION**

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<b>Ecotoxicity:</b>	Product is not classified as ecotoxic.
<b>Persistence/degradability:</b>	Not available.
<b>Bio-accumulation:</b>	Not available.
<b>Mobility:</b>	Product is soluble in water.  Ecotoxicity data is based on hazardous ingredient information.



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**SECTION 13: DISPOSAL CONSIDERATIONS**

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<b>Disposal:</b>	Recycle and reuse wherever possible. Dispose of waste product via an approved waste disposal contractor.
<b>Disposal of Packaging:</b>	Dispose of packaging via an approved waste disposal contractor.

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**SECTION 14: TRANSPORT INFORMATION**

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V-GUARD 232 is not classified as a Dangerous Good for transport in accordance with NZS5433:2012, IMDG or IATA.

Ensure transportation methods prevent leakage from packages and collapsing loads.

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**SECTION 15: REGULATORY INFORMATION**

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<b>Group Standard Allocation:</b>	NA
<b>HSNO Approval Code:</b>	NA
<b>HSNO Classifications:</b>	None
<b>This substance triggers:</b>	Compliance Certificate – N/A Certified Handler – N/A Emergency Response Plan – N/A Secondary Containment – N/A Signage – N/A  This substance is not required to be Tracked. All workplace personnel handling this substance are required to be trained on the safe handling and PPE requirements for the hazards associated with this substance.

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**SECTION 16: OTHER INFORMATION**

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The information provided in this Safety Data Sheet relates only to the specific material designated herein. This Safety Data Sheet summarises our best knowledge of the health and safety hazard information of the product and how to safely handle the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including its use in conjunction with other products.

This substance is approved under HSNO for use as a water treatment chemical. All reasonable care has been taken to ensure that the information and advice contained herein are from sources believed to be reliable and to represent the most up-to-date knowledge available at the date given in Section 16. No liability is assumed for any damages related to the use or misuse of this substance.

All chemical materials may present unknown hazards as people have varying degrees of sensitivity to chemicals. Therefore, this product should be used with caution. The information herein is given in good faith, but no warranty, express or implied is made.

SDS Issued: 13/03/2019

Reason for Revision: Update to New Zealand regulatory requirements.

References: EPA NZ Chemical Classification and Information Database



EPA Guide: Assigning a Hazardous Substance to a Group Standard, 2014

**END OF SAFETY DATA SHEET**