

V-CLEAN 523 Organic Acid Cleaner

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

SECTION 1: SUBSTANCE AND SUPPLIER DETAILS

Product Name:	V-CLEAN 523
Supplier:	Visentia Ltd 119 Carbine Road Mt Wellington Auckland 1060 New Zealand
Telephone:	+64 9 216 9824
Recommended Use:	Water Treatment Chemical
In Case of Emergency Contact:	0800 CHEMCALL (243 622)

SECTION 2: HAZARDS IDENTIFICATION

V-CLEAN 523 is not classified as a Dangerous Good for Transport.

V-CLEAN 523 is classified as hazardous according to criteria in the EPA Hazardous Substances (Minimum Degrees of Hazards) Notice 2017.

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

HSNO Approval Number:	HSR002684
HSNO Classifications:	6.1E – Acutely toxic, inhalation 6.3B – Irritating to skin 8.3A – Corrosive to eyes
GHS Classification:	Acute toxicity, inhalation – Category 5 Skin corrosion/irritation – Category 3 Serious eye damage/eye irritation – Category 1
Hazard Statements:	H333 – May be harmful if inhaled H316 – Causes mild skin irritation H318 – Causes serious eye damage

**GHS Pictograms:****Signal Word:**

DANGER

Prevention Statements:

P102 – Keep out of reach of children.

P103 – Read label before use.

P280 – Wear protective gloves, eye protection, face protection.

Response Statements:

P101 – If medical advice is needed, have product label or container at hand.

P304 + P312 – IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.

P332 + P313 – If skin irritation occurs: Get medical advice/attention.

P305 + 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 or doctor/physician.

Storage:**Disposal:**

P501 - In accordance with the EPA Hazardous Substances (Disposal) Notice 2017. Refer to Section 13 of this SDS.

SECTION 3:**COMPOSITION / INFORMATION ON INGREDIENTS**

Main Component	CAS Number	Concentration
Citric Acid	77-92-9	30-60%

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.

SECTION 4:**FIRST AID MEASURES****Workplace Facilities Required:**

Eye wash and safety shower facilities should be provided.

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 immediate medical attention.

In Contact with Skin:

Wash skin with soap and 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 vomiting occurs, keep head below hips to prevent aspiration to lungs.

Advice to Doctor: Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

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

Suitable Extinguishing Media: Use an extinguishing agent suitable for surrounding fire.

Precautions in Connection with Fire: May give off noxious fumes in a fire containing oxides of carbon.

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

SECTION 6: ACCIDENTAL RELEASE MEASURES

An emergency response plan is required under Part 5 of the Health and Safety at Work (Hazardous Substances) Regulations 2017 when held in quantities greater than 10,000L.

Precautions: Clear area of all unprotected personnel. Keep unnecessary and unprotected personnel from entering area. Avoid generating mists/sprays.

Suitable Protective Equipment: Emergency responders must use personal protective equipment, including gloves, safety goggles or face shield, and respiratory protection if there is a risk of inhaling mists/spray.

Spill or Leak Procedures: Contain the spill. Soak up the spill with inert absorbent material such as kitty litter type, sand or earth. Collect into a suitable waste container. Ensure waste container is properly labelled. Residual material may be flushed away with water.

Waste Disposal Methods: Dispose of as per Section 13.

Emergency Preparation: 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

Precautions for Safe Handling: Avoid contact with skin and eyes. Do not breathe mists/sprays. Do not eat drink or smoke when using this product. Remove contaminated clothing and wash hands and face before entering eating areas.

Storage: Store in a cool, dry place away from heat. Store in original container or in a suitable alternative container made from compatible material.

Site Storage Requirements: Site Signage will be required when quantities exceed 1,000L.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Workplace Exposure Standards NZ: No exposure standard has been set for this product.



Engineering Controls:	Eyewash facilities and safety showers should be provided in the work area where there is a risk of exposure to eyes and skin. If use generates mist/spray, use engineering controls such as local exhaust ventilation.
Personal Protective Equipment:	Avoid contact with the skin and eyes. Avoid inhaling mist/spray.
Hand protection:	Wear protective gloves that are resistant to the product. Refer to Australian and New Zealand Standard AS/NZS 2161 for protective gloves.
Skin and body protection:	Use protective clothing when handling large quantities. Remove any contaminated clothing to avoid prolonged contact with the skin. Wash work clothes regularly. Refer to Australian and New Zealand Standard AS/NZS 4501 for occupational protective clothing.
Eye protection:	Use safety glasses with side shields or safety goggles to protect eyes. Refer to AS/NZS 1336 for suitable eye and face protection.
Respiratory protection:	Where there is inadequate ventilation and use results in the formation of mists/sprays, use a respirator. Refer to AS/NZS 1715 and AS/NZS 1716 for suitable respiratory protection. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. A full-face respirator may be desirable to give respiratory and eye protection.
Other information:	PPE selected must be impervious to the substance. Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating, drinking or smoking. Handle in accordance with safe industrial hygiene practices.

SECTION 9:

PHYSICAL AND CHEMICAL PROPERTIES

Description:	Liquid	Colour:	Straw coloured
Odour:	Odourless	Odour Threshold:	Not applicable
pH (25°C):	1.7	Solubility (water, 25°C):	Soluble
Melting/Freezing point:	Not determined	Boiling Point:	Approx. 100°C
Flammability:	Non-flammable	Flash Point:	Not applicable
UEL/LEL:	Not applicable	Vapour Pressure (20°C):	2.33 kPa
Decomposition Temp:	Not determined	Autoignition Temp:	Not applicable
Relative Density:	1.2-1.3 g/cm ³	Vapour Density:	Not applicable
Partition Coefficient:	Not determined	Viscosity:	Not determined
n-octanol/water			

SECTION 10:

STABILITY AND REACTIVITY

Stability:	Stable under normal storage conditions.
Reactivity:	No adverse reactions known.
Conditions to Avoid:	Extremes of high or low temperatures and direct sunlight.
Incompatibility:	Keep away from strong oxidisers, strong alkalis. Keep away from food, drink and animal feed.
Hazardous Decomposition:	May decompose at high temperatures to form oxides of carbon.



SECTION 11: TOXICOLOGICAL INFORMATION

Acute Exposure

Acute Toxicity:	LD ₅₀ oral > 5000 mg/kg. (Based on ingredient information and concentration).
Inhalation:	Inhaling mist/spray may cause respiratory irritation.
Ingestion:	Ingestion of large quantities may cause gastrointestinal upset and vomiting.
Skin Contact:	Mildly irritating to skin.
Eye Contact:	Corrosive to eyes.
Sensitiser:	Not expected to be a respiratory or contact sensitiser.

Chronic Exposure

Mutagen, Carcinogen, or Reproductive Toxicant:	No chronic toxicity effects expected.
Specific Target Organ Systemic Toxicity:	Not expected to be harmful to human target organs or systems. Toxicity data is based on hazardous ingredient information and information in the EPA Chemical Classification and Identification Database and European Chemical Database.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:	Product is not expected to be ecotoxic.
Persistence/degradability:	Not persistent.
Bio-accumulation:	Not bio accumulative.
Mobility:	Product is soluble in water. Ecotoxicity data is based on hazardous ingredient information.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal:	Dispose of waste product via an approved waste disposal contractor.
Disposal of Packaging:	Packaging may be washed with plenty of water. Completely emptied packaging may be recycled. Packaging that may contain product residues should be treated as hazardous and disposed of via an approved waste disposal contractor.

SECTION 14: TRANSPORT INFORMATION

V-CLEAN 523 is not classified as a Dangerous Good for transport in accordance with NZS5433:2012, IMDG or IATA.

Hazchem Code:	NA
NZS5433:2012	NA
IMDG:	NA
IATA:	NA



Ensure transportation methods prevent leakage from packages and collapsing loads.

SECTION 15: REGULATORY INFORMATION

Group Standard Allocation:	Water Treatment Chemicals (Subsidiary Hazard) Group Standard 2017
HSNO Approval Code:	HSR002684
HSNO Classifications:	6.1E – Acutely toxic, inhalation 6.3B – Mild skin irritant 8.3A – Eye corrosive
This substance triggers:	Compliance Certificate – N/A Certified Handler- N/A Emergency Response Plan – 10,000L Secondary Containment – 10,000L Signage – 1,000L 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.

SECTION 16: OTHER INFORMATION

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:	12/07/2019
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