



CALMARC CHEMICALS

MANUFACTURING INDUSTRIAL CHEMISTS

16 GOONGARRIE ST, BAYSWATER WA 6053
TELEPHONE: Bus. (08) 93782022, Mobile: 0418 956 860 A/H (08) 9381 5052
Facsimile: (08) 9377 2575 A.C.N 009 026 386. ABN 18 340 289 669

THIS PRODUCT IS A HAZARDOUS SUBSTANCE AS DEFINED BY SAFE WORK AUSTRALIA

SECTION 1 – CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name: VANAMOVE
Manufacture Code: VNMV
Emergency Telephone No: (08) 9378 2022
0408 940 669
(08) 9381 5052
13 11 26(all hours)
Email: accounts@calmarc.com.au
Creation Date: 1 July 2017
SDS Responsibility: Calmarc Chemical's Technical Sales (08) 9378 2022
0408 940 669
Other Information: This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use 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 in conjunction with other products. If clarification of further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company. Our responsibilities for products sold are subject to our standard terms and conditions. A copy of our terms and conditions and technical information pamphlets are available upon request.

DISCLAIMER
This information is based on the present level of knowledge about safety requirements not specific properties. The listed data is therefore subject to change and revision without notice and cannot be guaranteed. No warranty expressed or implied is made as to accuracy, reliability or completeness of the detail in this document.

SECTION 2 – HAZARDS INFORMATION/EMERGENCY OVERVIEW

Globally Harmonised System
Hazard Classification: Hazardous according to the criteria of the Globally Harmonised System of classification and labelling of Chemicals (GHS).

Signal Word: DANGER

Physical Data: Product is corrosive.

Use: Acidic cleaner for vanadium stains.

Directions: Carefully apply the VANAMOVE by brush with a scrubbing action. When the stain is loosened, flush with water. After use of VANAMOVE, the treated area should be flushed with water and finally washed with recommended concentration of a NEUTRA solution.



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GHS Classification	Pictogram	Hazard Statement
Acute toxicity, Dermal Category 4 Serious Eye Damage/Irritation Category 1		H312 – Harmful in contact with skin. H318 – Causes serious eye damage.
Acute Toxicity (Oral) Category 4		H302 – Harmful if swallowed.

GENERAL	
P101 P102 P103	If medical advice is needed, have product container or label at hand. Keep out of reach of children. Read label before use.
PREVENTATIVE	
P264 P270 P280	Wash contacted areas thoroughly after handling Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection and face protection.
RESPONSE	
P302+P312 P330 P302+P352 P305+P351+P338+P310	IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you unwell. Rinse mouth. IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a poison centre or doctor.
STORAGE	
P403	Store in a well-ventilated place.
DISPOSAL	
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS No.	CONCENTRATION
Alpha omega dicarboxylic acids		10-30% m/m
Non-hazardous substances		To 100%



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SECTION 4 – FIRST AID MEASURES

Swallowed	Immediately rinse mouth with water. Give plenty of milk or water to drink. DO NOT induce vomiting. If vomiting occurs, give more water to achieve effective dilution. Seek medical assistance. Poisons information Telephone 13 11 26(all hours).
Eye	Immediately irrigate with copious amounts of water for at least 15 minutes. Hold eyelids open while rinsing. Seek immediate medical assistance.
Skin	In case of contact, immediately flush skin with water for at least 15 minutes while removing contaminated clothing and shoes. Thoroughly clean clothing and shoes before reuse.
Inhalation	Remove patient from contaminated area. Loosen clothing. Keep patient warm and relaxed until full recovery. If breathing laboured and patient cyanotic (blue), ensure airways are clear and have a trained person give oxygen through a facemask. If breathing has stopped, apply artificial respiration. If cardiac arrest occurs apply external cardiac massage. Seek medical advice if symptoms persevere.
Advice to Doctor	Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

Fire Extinguisher Type	Carbon Dioxide, dry chemical powder or appropriate foam.
Fire/Explosion Hazards	None Known.
Fire Fighting Procedure	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spills and Disposal	Slippery when wet. Use hydrated lime to neutralise. Place the excess hydrated lime used for neutralisation in a plastic bag and dispose at an industrial tip site. Mop up the remaining residue and wash to waste. Avoid washing into waterways. Rinse area with water and collect rinsings using a mop or wet vacuum cleaner. Launder all contaminated clothing or wiping rags before re-use.
Cleaning Protection	Open up the area where spill or leak has occurred to ventilate direct vapours away. Have absorbents such as vermiculite, attapulgate, cardboard or sand on hand to control flow of the spilled mobile product. Use wet vacuum cleaner or mop to collect any small spills.



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SECTION 7 – HANDLING AND STORAGE

Protection against explosions and fires	Keep containers on site away from sources of heat, sparks and earth if necessary, for static electricity. Use secure locked storage if possible and have forced or natural ventilation over worksite or storage areas.
Packages	The product is supplied in high density polypropylene bottles, jerry cans or cubes. Packaging group type II and III.
Storage	Keep containers securely sealed, clean protected against physical damage. Store in a cool place away from heat. VANAMOVE is corrosive to steel, copper, aluminium and metals in general. It is incompatible with glass and materials containing silica. Keep away from children.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits	The ingredients of which components with established NOHSC exposure standards are listed below. Other ingredients do not have established NOHSC exposure standards.
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INGREDIENTS

TWA (Time Weighed Average)

Oxalic Acid (100%)

1 CEIL: 2 mg/m³ from ACGIH [1995]
Consult local authorities for acceptable exposure limits.

Engineering Measures

Provide sufficient ventilation to keep airborne levels below the exposure limit. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a local exhaust ventilation system is required.
Refer to AS1940: The storage and handling of flammable and combustible liquids and AS2430: Explosive gas atmospheres for further information concerning ventilation requirements.

PERSONAL PROTECTIVE EQUIPMENT

Eye/Face Protection

If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used suitable for protecting against airborne contaminants. Final choice of appropriate breathing protection is dependant upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.



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Safety glasses with side shields, goggles or full-face shield as appropriate recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 – Eye Protectors for Industrial Applications.

Skin/Body Protection

Wear appropriate clothing including chemical resistant apron where clothing is likely to be contaminated. It is advisable that a local supplier of personal protective clothing is consulted regarding the choice of material.

Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e., methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves – Selection, use and maintenance.

Hygiene Measure

Wash hands before meal breaks and at the end of a work period. Any contaminated clothing should be removed. Avoid inhaling any fumes on a long-term basis.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Substance	Formulation blend of chemicals
Physical Form	Low viscosity liquid
Colour	Clear
Odour	Trace
pH	1.0 +/- 0.2
Boiling Point	>100°C at 100 kPa
Melting Point	N/A
Flash Point	N/A
Freezing Point	Approx. 0°C
Autoignition	Does not ignite
Water Solubility	Infinite
Vapour Pressure	Not Known
Vapour density	Not Known
Specific Gravity	1.0 g/cc @ 25°C
Corrosivity	Corrosive Class 8

SECTION 10 – STABILITY AND REACTIVITY

Stability	Stable as supplied at normal (average) atmospheric temperatures.
Reactivity	Strong acid. Reacts violently with bases, oxidants and metals.
Decomposition Products	Severe fire, after evaporation, emits toxic acid fumes.



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SECTION 11 – TOXICOLOGICAL INFORMATION

For Aminic Acid

Immediate	LD50/Oral/rat: 1210 mg/kg LD50/Eye/rabbit: 122 mg/kg severe
Delayed (Subchronic and Chronic) Effects	Prolonged or repeated skin contact may cause dermatitis. May cause liver and kidney damage. Effects may be delayed. Laboratory experiments have resulted in mutagenic effects.
OTHER DATA	None

SECTION 12 – ECOLOGICAL INFORMATION

Do not allow material to enter drains or waterways.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal	Wear appropriate personal protective equipment and clothing to minimize exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unnecessary personnel. If possible contain the spill. Place inert absorbent material onto spillage. Use clean nonsparking tools to collect the material and place into a suitable labeled container. Do not dilute material but contain. Dispose of waste according to federal, Environmental Protection Authority and state regulations. If the spillage enters the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.
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SECTION 14 – TRANSPORT INFORMATION

Shipping Name	Vanamove
Other Names	Corrosive liquid, acidic, organic, n.o.s. (Oxalic acid, solution)
UN Number	3265
Dangerous Goods Class	8
Subsidiary Risk	None
Risk Phrases	R34
Safety Phrases	S26, 45, 23
Packaging Group	II or III
I.E.R.G. No.	36
Hazchem Code	2X

SECTION 15 – REGULATORY INFORMATION

POISON SCHEDULE S5



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SECTION 16 – OTHER INFORMATION

The details in this document are based on the state of our knowledge at the time of revision. They do not constitute an assurance of the described product properties in terms of statutory warranty requirements.

The providing of this document to a recipient does not relieve the recipient of his or her responsibility toward compliance with all laws and stipulations applicable to the product.

Directions for use are on the label and brochure describing **Vanamove**.

SDS NEXT REVIEW DATE 29 July 2024

END OF SDS FOR VANAMOVE