



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:	VANACLENE
Manufacture Code:	VNCL
Emergency Telephone No:	(08) 9378 2022 0408 940 669 (08) 9381 5052 13 11 26(all hours)
Email:	accounts@calmarc.com.au
Creation Date:	16 December 2016
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
Major Health Hazards	Causes burns and irritation to any area of contact. Ingredients are not listed as carcinogenic by NOHSC (1995).
Physical Data	Product is corrosive.



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ACUTE HEALTH EFFECTS

Swallowed

Causes severe digestive tract burns with abdominal pain, vomiting, and possible death. May be harmful if swallowed. May cause central nervous system depression. Ingestion may produce corrosive ulceration and bleeding and necrosis of the gastrointestinal tract accompanied by shock and circulatory collapse.

Eye

Contact with liquid is corrosive to the eyes and causes severe burns. Lachrymator (substance which increases the flow of tears). May cause corneal edema, ulceration, and scarring.

Skin

May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material. Contact with liquid is corrosive and causes severe burns and ulceration. Absorbed through the skin. May cause erythema (redness) and blistering.

Inhalation

May cause asthmatic attacks due to allergic sensitization of the respiratory tract. Causes chemical burns to the respiratory tract. Aspiration may lead to pulmonary edema. Vapors may cause dizziness, nausea, itching, burning, and swelling of the eyes.

Chronic

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.

SPECIAL HEALTH EFFECTS

Environmental

Do not allow products to enter drinking water, rivers and streams as it may harm vegetation and wildlife.

GHS Classification	Pictogram	Hazard Statement
Skin Corrosion/Irritation Category 2		H315 – Causes skin irritation. H318 – Causes serious eye damage.
Acute Toxicity (Oral) Category 4 Serious Eye Damage/Irritation Category 1		H302 – Harmful if swallowed. H332 – Harmful if inhaled.

GENERAL

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.



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PREVENTATIVE	
P264	Wash contacted areas thoroughly after handling
P270	Do not eat, drink or smoke when using this product.
P261	Avoid breathing dust/fumes/gas/mist/vapours/spray.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection and face protection.
RESPONSE	
P302 + P312	IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you unwell.
P330	Rinse mouth.
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P321	Specific treatment see this label.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
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
Aminic Acid	64-18-6	30-60% m/m
Non-hazardous substances		To 100%

SECTION 4 – FIRST AID MEASURES

Swallowed	Do NOT induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.
Eye	Get medical aid immediately. Do NOT allow victim to rub or keep eyes closed. Extensive irrigation with water is required (at least 30 minutes). Recommended that users have eye wash available.



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Skin	Get medical aid immediately. Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Destroy contaminated shoes.
Inhalation	Get medical aid immediately. Remove from exposure to fresh air immediately. If breathing is difficult, give oxygen. Do NOT use mouth-to-mouth resuscitation. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device, such as a bag and a mask.
Advice to Doctor	Hemodialysis should be considered in severe intoxication. Persons with chronic respiratory, skin, kidney, or liver diseases or eye disorders may be at increased risk from exposure to this product.

SECTION 5 – FIRE FIGHTING MEASURES

Fire and Explosion	As in any fire, wear a self-contained breathing apparatus in pressure-demand, AS1716 (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool. Containers may explode in the heat of a fire. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas. May polymerize explosively when involved in a fire. Contact with metals may evolve flammable hydrogen gas.
Ventilation	Use only in a well-ventilated area. Mechanical ventilation or forced draught over the work area is recommended. Avoid generating or inhaling mists or aerosols. Keep away from glass.
Autoignition Temperature	Does not ignite.
Source of Ignition	Does not ignite.
Flash Point	Not Flammable.
Extinguishing Media	Do NOT get water inside containers. For small fires, use dry chemical, carbon dioxide, or water spray. For large fires, use dry chemical, carbon dioxide, alcohol-resistant foam, or water spray. Cool containers with flooding quantities of water until well after fire is out.
Special Fire Fighting Procedures	Wear acid resistant chemical splash suit.
Decomposition Products	Severe fire after evaporation emits toxic acid fumes.
Reactivity	The solution is a strong acid and will react violently with metals, oxidants and bases.



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Protection of Firefighters

Wear safety boots, non-flammable overalls, gloves, safety hat (with face shield) or firefighter helmet (preferred), goggles and self contained breathing apparatus. All skin areas should be covered. Block all drains and water courses to inhibit any spillage into them.

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.

Laundry 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, attapulgite, cardboard or sand on hand to control flow of the spilled mobile product. Use wet vacuum cleaner or mop to collect any small spills.

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. VANACLENE 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.

INGREDIENTS

	TWA (Time Weighted Average)	STEL (Short Term Exposure Limit)
Aminic Acid (trace amounts)	5 ppm, 9.4 mg/m ³ Peak limitation	10 ppm, 19 mg/m ³ Peak limitation



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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.

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 e.g., neoprene. 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	Not Applicable



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Flash Point	Not Applicable
Freezing Point	Approx. 0°C
Autoignition	Does not ignite
Water Solubility	Infinite
Vapour Pressure	Not Known
Vapour density	Not Known
Specific Gravity	1.12 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.

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 non-sparking 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	Vanaclene
Dangerous Goods Code	8
Subsidiary Risk	None
UN Number	3265
Packaging Group	II or III
I.E.R.G. No.	36
HAZCHEM	2X

SECTION 15 – REGULATORY INFORMATION

Poison Schedule 5

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 PDS describing **Vanaclene**.

SDS NEXT REVIEW DATE 31 July 2024

END OF SDS FOR VANACLENE