



# CALMARC CHEMICALS

## MANUFACTURING INDUSTRIAL CHEMISTS

16 GOONGARRIE ST, BAYSWATER W.A 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:	MARVELCLENE
Manufacture Code:	MVCL
Emergency Telephone No:	(08) 9378 2022 0408 940 669 (08) 9381 5052 13 11 26(all hours)
Email:	accounts@calmarc.com.au
Creation Date:	27 March 2018
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. <b>DISCLAIMER</b> 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

<b>Globally Harmonised System</b>	
Hazard Classification	Hazardous according to the criteria of the Globally Harmonised System of classification and labelling of Chemicals (GHS).
Signal Word	<b>DANGER</b>
Physical Data	<b>Product is corrosive.</b>
<b>ACUTE HEALTH EFFECTS</b>	
Swallowed	Strong irritation when swallowed. May cause nausea and vomiting.
Eye	Causes eye burns and possibly tissue damage.
Skin	Irritation when in contact with skin. Will deflate the skin: 2-(2-butoxyethoxy)ethanol may be absorbed through the skin with toxic effects.



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**Inhalation** Irritates nose and throat with prolonged exposure.

**Chronic** Increased susceptibility to the toxicity if excessive exposure occurs over time if not using personal protective measures.

**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
Corrosive to metals Category 1  Serious Eye Damage/Irritation Category 1  Skin Corrosion/Irritation Category 2		H290 – May be corrosive to metals.  H314 – Causes severe skin burns and eye damage.  H318 – Causes serious eye damage.
Acute Toxicity – Oral, Dermal Category 4		H302 – Harmful if swallowed. H312 – Harmful in contact with skin.

<b>GENERAL</b>	
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.
<b>PREVENTATIVE</b>	
P234 P260 P261 P264 P271 P280	Keep only in original container. Do not breathe dust/fumes/gas/mist/vapours/spray. Avoid breathing vapours/spray. Wash face, hands and any exposed skin thoroughly after handling. Use only outdoors or in a well ventilated area. Wear protective gloves/protective clothing and eye/face protection.
<b>RESPONSE</b>	
P304 + P340  P321 P301 + P330 + P331 P303 + P361 + P353  P363 P310 P305 + P351 + P338  P390	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Specific treatment (see this PDS) IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTRE or doctor. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Absorb spillage to prevent material damage.



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<b>STORAGE</b>	<p>P403 Store in a well-ventilated place.</p> <p>P233 Keep container tightly closed.</p> <p>P405 Store locked up.</p> <p>P406 Store in corrosive resistant polypropylene container with a resistant liner.</p> <p>P402 Store in a dry place.</p>
<b>DISPOSAL</b>	<p>P501 Dispose of contents/container in accordance with local/regional/national/international regulations.</p>

HSNO Classifications	Health	6.1B	Substances that are acutely toxic
	Hazards	8.1A	Substances that are corrosive to metals
		6.3B	Substances that are mildly irritating to the skin
		8.3A	Substances that are corrosive to ocular tissue
	Environmental	9.1D	Slightly harmful to aquatic environment
	Hazards	9.3C	Harmful to terrestrial vertebrates

## SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS No.	CONCENTRATION
Chelation Agents (Food Grade)		<20-40% m/m
Phosphoric acid	7664-38-2	30-60% m/m
Water	7732-18-5	<10% m/m

## SECTION 4 – FIRST AID MEASURES

<b>Swallowed</b>	Immediately rinse mouth with water. Give plenty of 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).
<b>Eye</b>	Immediately irrigate with copious amounts of water for at least 15 minutes. Hold eyelids open while rinsing. Seek immediate medical assistance.
<b>Skin</b>	Immediately wash contaminated skin area with plenty of water. Remove contaminated clothing and wash if being reused. Seek medical attention.
<b>Inhalation</b>	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.
<b>Advice to Doctor</b>	Treat symptomatically as for strong acids.

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**SECTION 5 – FIRE FIGHTING MEASURES**

<b>Fire and Explosion</b>	Not combustible but slippery when wet. Severe fire: use water or water fog.
<b>Ventilation</b>	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.
<b>Autoignition Temperature</b>	Does not ignite.
<b>Source of Ignition</b>	Does not ignite.
<b>Flash Point</b>	Not Flammable.
<b>Extinguishing Media</b>	Water fog, water spray.
<b>Special Fire Fighting Procedures</b>	Wear acid resistant chemical splash suit.
<b>Decomposition Products</b>	Severe fire, after evaporation, emits toxic acid fumes.
<b>Reactivity</b>	The solution is a strong acid and will react with metals, oxidants and bases.
<b>Protection of Firefighters</b>	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**

<b>Spills and Disposal</b>	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.
<b>Cleaning Protection</b>	Open up the area where spill or leak has occurred to ventilate direct vapours away. Have absorbents, such as vermiculite, attapulgit, 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

<b>Protection against explosions and fires</b>	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.
<b>Packages</b>	The product is supplied in high density polypropylene bottles, jerry cans or cubes. Packaging group type II and III.
<b>Storage</b>	Keep containers securely sealed, clean protected against physical damage. Store in a cool place away from heat. Keep away from children.

### SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Exposure Limits</b>	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 Weighted Average)	STEL (Short Term Exposure Limit)
Phosphoric Acid (trace amounts)	5ppm 7.5mg/m <sup>3</sup> Peak limitation	2 mg/m <sup>3</sup>

<b>Engineering Measures</b>	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 metals.
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#### PERSONAL PROTECTIVE EQUIPMENT

<b>Eye/Face Protection</b>	Wear safety glasses, goggles or preferably a face shield. In enclosed non-ventilated areas, an air line to full head cover helmet with mask may be necessary. Breathing mask to be suitable for organic vapours.
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<b>Skin/Body Protection</b>	Wear nitrile or PVC gloves for 8-hour day. Short-term protection (1 hour), natural rubber is suitable. Wear full coverall clothing protection with safety boots.
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<b>Hygiene Measure</b>	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.
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### SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Substance	Formulation blend of chemicals
Physical Form	Low viscosity liquid
Colour	Clear
Odour	Trace
pH	1.0-2.0



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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	1.48-1.50 g/cc @25°C
Corrosivity	Corosive Class 8

#### SECTION 10 – STABILITY AND REACTIVITY

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

#### SECTION 11 – TOXICOLOGICAL INFORMATION

Not Available.

#### SECTION 12 – ECOLOGICAL INFORMATION

Not Available.

#### SECTION 13 – DISPOSAL CONSIDERATIONS

<b>Waste Disposal</b>	Allow absorbents to dry out in the open atmosphere. Contaminated product should be reprocessed by an approved organisation. Place any dried absorbent in plastic bags, seal and dispose at an approved site.
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#### SECTION 14 – TRANSPORT INFORMATION

Shipping Name	Acid Solution
Dangerous Goods Code	8
Subsidiary Risk	None
UN Number	1760
Packaging Group	II or III
I.E.R.G. No.	37
HAZCHEM	2RE

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**SECTION 15 – REGULATORY INFORMATION****POISON SCHEDULE**                      **6****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 **Marvelclene**.

**SDS NEXT REVIEW DATE**                      22 May 2028**END OF SDS FOR MARVELCLENE**