



CALMARC CHEMICALS

MANUFACTURING INDUSTRIAL CHEMISTS

16 GOONGARRIE ST, BAYSWATER W.A 6053.
TELEPHONE : Bus. (08) 9378 2022 Mobile 0408 940 669A/H (08) 9381 5052.
Facsimile (08) 9279 7978 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:	Marcmove and/or Marcmove Gel
Manufacture Code:	MCMV
Emergency Telephone No:	(08) 9378 2022 0408 940 669 (08) 9381 5052
Email:	accounts@calmarc.com.au
Creation Date:	21 November 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 responsibility for products sold is subject to our standard terms and conditions. A copy of our terms and conditions and technical information pamphlets are available upon request. <u>DISCLAIMER</u> 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 flammable.
ACUTE HEALTH EFFECTS	
Swallowed	Harmful if swallowed. May cause irritation to the mouth, throat and the digestive tract. May cause nausea and vomiting.
Eye	May cause pain, conjunctival irritation and corneal damage.
Skin	Irritant. Prolonged contact causes defatting, rendering the skin more susceptible to dermatitis and an exacerbation by other substances.



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Inhalation

The vapour is an irritant to the mucous membranes and the respiratory tract. Vapours can effect the central nervous system and result in headaches and dizziness. A high concentration of vapours, if exposure is prolonged may cause unconsciousness.

Chronic

May cause reproductive hazard.

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
Flammable Liquid Category 2 Flammable Liquid Category 4		H225 – Highly flammable liquid and vapour. H227 – Combustible Liquid
Skin Corrosion/Irritation Category 2 Specific Target Organ Toxicity (Single Exposure) Category 3 Acute Toxicity – Oral, Inhalation Category 4 Serious Eye Damage/Eye Irritation Category 2A		H315 – Causes skin irritation. H336 – May cause drowsiness or dizziness. H302 – Harmful if swallowed. H332 – Harmful if inhaled. H319 – Causes serious eye damage.
Specific Target Organ Toxicity (Repeated Exposure) Category 2 Aspiration Hazard Category 1 Toxic to Reproduction Category 2		H373 – May cause damage to organs through prolonged or repeated exposure. H304 – May be fatal if swallowed and enters airways. H361 – Suspected of damaging the unborn child.

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	P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P210 Keep away from heat/sparks/open flames/hot surfaces. P233 Keep container tightly closed. P240 Ground/bond container and receiving equipment. P241 Use explosion proof electrical/ventilation/lighting equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P260 Do not breathe mist/vapours/spray. P261 Avoid breathing mist/vapours/spray. P264 Wash thoroughly after handling. P270 Do not eat drink or smoke when using this product. P271 Use only outdoors or in a well ventilated area. P280 Wear protective gloves/eye protection/face protection. P281 Use personal equipment as required.
RESPONSE	P301 + P310 IF SWALLOWED: Immediately call a POISON CENTRE or doctor. P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P303 + P361 + P353 IF ON SKIN (or hair): Take off contaminated clothing and wash before reuse. Rinse skin with water/shower. P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P308 + P313 IF exposed or concerned: get medical advice/attention. P312 Call a POISON CENTRE or doctor if you feel unwell. P331 Do NOT induce vomiting. P332 + P313 IF skin irritation occurs: Get medical advice/attention. P362 Take off contaminated clothing and wash before reuse. P370 + P378 In case of fire: Use foam/water spray/fog for extinction. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
STORAGE	P403 + P233 Store in a well ventilated place. Keep container tightly closed. P235 Keep cool. P405 Store locked up.
DISPOSAL	P501 Dispose of contents/container in accordance with local regulations.

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS No.	CONCENTRATION
Aromatic Hydrocarbons	108-88-3	>60% m/m
Aliphatic Hydrocarbons	111-76-2	<30% m/m
Associative additives		to make 100% m/m



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SECTION 4 – FIRST AID MEASURES

Swallowed	If poisoning occurs, contact a doctor or poisons information centre. Avoid giving milk or oils. If any suspicion of aspiration into the lungs (for example, during vomiting), obtain medical advice immediately.
Eye	Wash the eyes with water or a neutral saline solution for at least 15 minutes, making sure to remove contaminating liquid from the eyelids. Seek medical advice.
Skin	Irritant. Immediately remove all contaminated clothing. Wash the skin thoroughly with soap and water.
Inhalation	Move to fresh air, keep warm and at rest. Seek medical attention. If breathing is laboured and patient is cyanotic (blue), ensure that airways are clear and give oxygen through a face mask.
Advice to Doctor	Because of risk of aspiration, gastric lavage should only be undertaken after endotracheal intubation.

SECTION 5 – FIRE FIGHTING MEASURES

Fire and Explosion	Flammable. Avoid sources of ignition and flame.
Ventilation	Always have some form of ventilation when using or storing this product.
Earthing	Earth the product container if there is a potential for static electricity build up.
Autoignition Temperature	500-600°C
Source of Ignition	Keep away from open flame, sparks, high sources of heat transmission and static electricity discharge.
Flash Point	7°C(closed cup)
Extinguishing Media	Flammable material. Combustion products include oxides of carbon. Use water, CO ₂ , powder or BCF fire extinguishers. Firefighters should wear full protective clothing including self-contained breathing apparatus.
Special Fire Fighting Procedures	None
Decomposition Products	Carbon dioxide, water, acetic acid.
Upper Explosive Limit % by vol.	7.0
Lower Explosive Limit % by vol.	1.3
Reactivity	Could soften some plastics and react with oxidants.



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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 Do not allow the product to enter drains. Eliminate ignition sources and use attapulgate or sand for absorbing the spill. Collect and allow solvents to evaporate and then seal in labelled drums for disposal at an industrial waste site. Residue can be washed with water to a waste area.

Cleaning Protection Open up the area where spill or leak has occurred to ventilate direct vapours away. Attach earth leak cables to any containers in the spill area. Have absorbents, such as vermiculate, 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.

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 metal containers.

Storage Avoid contact with strong oxidizing agents. Store in a cool, well ventilated area away from heat and ignition sources. Containers should always be kept closed after immediate use or in long-term storage. Do not store in a low or enclosed area where vapours may become trapped.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits TLV for MARCMOVE has not been established. Exposure limits for the components as issued by Safe Work Australia are as listed below:

INGREDIENTS	TWA	STEL
	(Time Weighted Average)	(Short Term Exposure Limit)
Alkyl Glycol Ethers	TLV (TWA) 20ppm STEL 200ppm	120 mg/m ³ 950 mg/m ³
Toluol	TLV (TWA) 50ppm	377 mg/m ³



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PERSONAL PROTECTIVE EQUIPMENT

Engineering Measures

Forced exhaust ventilation is recommended for indoor use. Fans are recommended for indoor use to blow air in and to extract air. Outdoors, ensure that there is a good airflow present at the work face.

Airborne Exposure Limits

Airborne exposure values are listed below are those from Safe Work Australia.

	CAS No.	TWA (ppm)	TWA (mg/m ³)	STEL (ppm)	STEL (mg/m ³)
Toluene	108-88-3	50	191	150	574
Butoxyethanol	111-76-2	20	96.9	50	242

Eye/Face Protection

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.

Skin/Body Protection

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.

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	Slight Yellow Liquid
Odour	Bland, slightly sweet
pH	N/A
Boiling Point	110-220°C
Melting Point	Not Applicable
Flash Point	7°C (closed cup)
Freezing Point	N/A
Autoignition	500-600°C
Water Solubility	Emulsifiable with water
Vapour Pressure	N/A
Vapour density	N/A
Specific Gravity	0.885 g/cc
Volatiles	Approx. 99% m/m
Corrosivity	Not corrosive



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SECTION 10 – STABILITY AND REACTIVITY

Stability	Stable as supplied at normal (average) atmospheric temperatures.
Reactivity	Could soften or dissolve some plastics. Reacts with strong oxidising agents.
Decomposition Products	Water and carbon dioxide, acetic acid.

SECTION 11 – TOXICOLOGICAL INFORMATION

Swallowed	Expected to be of low toxicity: LD50 >2000mg/kg, Rat. Aspiration into lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.
Eye	Irritating to eyes.
Skin	May cause moderate skin irritation (but insufficient to classify). Prolonged contact may cause defatting of skin which can lead to dermatitis.
Inhalation	Inhalation of vapours or mists may cause irritation to the respiratory system. High concentrations may cause central nervous system depression resulting in headaches, dizziness and nausea; continued inhalation may result in unconsciousness and/or death.
Chronic	Central nervous system: repeated exposure affects the nervous system. Effects seen at high doses only. Respiratory system: repeated exposure affects the respiratory system. Effects seen at high doses only.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity:

Fish: Toxic 1<LC/EC/IC50 <= 10mg/L

Aquatic Invertebrates: Harmful: 10<LC/EC/IC50 <= 100mg/L

Algae: Low toxicity: LC/EC/IC50 > 100mg/L

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal	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	Liquid hydrocarbons N.O.S
Dangerous Goods Code	3
Subsidiary Risk	none
UN Number	1268
Packaging Group	II or III
I.E.R.G. No.	14
HAZCHEM	3[Y]E

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 **Marcmove**.

SDS NEXT REVIEW DATE 30 August 2024

END OF SDS FOR MARCMOVE