



CALMARC CHEMICALS

MANUFACTURING INDUSTRIAL CHEMISTS

16 GOONGARRIE ST, BAYSWATER WA 6053
TELEPHONE: Bus. (08) 93782022 Mobile: 0408 940 669 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:	PLYCRETE
Manufacture Code:	PLCT
Emergency Telephone No:	(08) 9378 2022 0408 940 669 (08) 9381 5052
Email:	accounts@calmarc.com.au
Creation Date:	13 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 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	Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.
Signal Word	DANGER
Major Health Hazards	Harmful if swallowed. Can cause defatting of skin, eye damage and respiratory damage.
Physical Data	Product is flammable.



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ACUTE HEALTH EFFECTS

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

Essentially non-irritating to eyes.

Skin

May cause moderate irritation to skin (but insufficient to classify). Prolonged contact may cause defatting of skin which can lead to dermatitis. Low toxicity LD50>2000mg/kg, Rat.

Inhalation

Inhalation of vapours or mists may cause irritation to the respiratory system. Low toxicity: LC50 greater than near-saturated vapour concentration 4 hours, Rat.

Chronic

Central nervous system: repeated exposure affects the nervous system.

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 liquids, Category 3		H226 – Flammable liquid and vapour
Aspiration Hazard, Category 1		H304 – May be fatal if swallowed and enters airways.
Skin Corrosion/Irritation, Category 2 Serious Eye Damage/Irritation, Category 2A Specific Target Organ Toxicity (Single Exposure), Category 3		H315 – Causes skin irritation. H319 – Causes serious eye irritation H335 – May cause respiratory irritation.
Chronic Aquatic Toxicity, Category 2		H411 – Toxic to aquatic life with long lasting effects.



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<p>GENERAL</p>	<p>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.</p>
<p>PREVENTATIVE</p>	<p>P210 Keep away from heat/sparks/open flames/hot surfaces – No smoking. 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. P261 Avoid breathing mist/vapours/spray. P264 Wash thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P273 Avoid release to the environment. P280 Wear protective gloves/eye protection/face protection.</p>
<p>RESPONSE</p>	<p>P301 + P310 IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician. 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. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P312 Call a POISON CENTRE or doctor/physician if you feel unwell. P331 Do NOT induce vomiting. P332 + P313 If skin irritations occurs: Get medical advice/attention. P337 + P313 If eye irritation persists: 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. P391 Collect spillage.</p>
<p>STORAGE</p>	<p>P403 + P233 Store in a well-ventilated place. Keep container tightly closed. P403 + P235 Store in a well-ventilated place. Keep cool. P405 Store locked up.</p>
<p>DISPOSAL</p>	<p>P501 Dispose of contents/container in accordance with local regulations.</p>



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SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS No.	CONCENTRATION
Vinyl acrylic copolymer		10-30% m/m
Inert filler		10-30% m/m
Cement		10-30% m/m
Petroleum distillates		>60% m/m

SECTION 4 – FIRST AID MEASURES

Swallowed	If swallowed, do NOT induce vomiting. Transport to nearest medical facility for additional treatment. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.
Eye	If in eyes, hold eyes open, flood with water for at least 15 minutes. If redness, burning, blurred vision, or swelling persist transport to nearest medical facility for additional treatment.
Skin	If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water and follow by washing with soap if available.
Inhalation	Remove victim from exposure if safe to do so. If rapid recovery does not occur, transport to nearest medical facility for additional treatment. Remove contaminated clothing.
Advice to Doctor	Treat symptomatically.
First Aid Facilities	Potable water should be available to rinse eyes or skin. Provide eye baths and safety showers.

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	Typical 460°C
Source of Ignition	Keep away from open flame, sparks, high sources of heat transmission and static electricity discharge.
Flash Point	38-47 (Abel)
Extinguishing Media	Foam, water spray or fog. Dry chemical powder, carbon dioxide for small fires only. Do not use water in a jet.



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Special Fire Fighting Procedures	None
Decomposition Products	Carbon dioxide, water, acetic acid.
Reactivity	Could soften some plastics and react with oxidants.
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	Avoid contact with spilled or released material. Shut off leaks, if possible without personal risks. Remove all sources of ignition in the surrounding area. Use appropriate containment to avoid environmental contamination. Prevent from spreading and entering waterway using sand, earth or other appropriate barriers. Take precautionary measure against static discharge. Ensure electrical continuity by bonding and earthing all equipment.
Cleaning Protection	For small spills (<1 drum), transfer by mechanical means to a labelled, sealable container for product recovery or safe disposal. Allow any residues to evaporate or use an appropriate absorbent material and dispose of safely. For larger spills (> 1 drum), transfer by means such as a vacuum truck to a salvage tank for recovery or disposal. Do not flush residues with water. Retain as contaminated waste. Allow any residues to evaporate or use an appropriate absorbent material and dispose of safely.

SECTION 7 – HANDLING AND STORAGE

Precautions for Safe Handling and Storage	Avoid breathing of or contact with material. Use in well-ventilated areas. Wash thoroughly after handling. Avoid contact with skin and eyes and clothing. Handle open containers in well ventilated area. Ensure that the workplace is ventilated such that the Occupational Exposure limit is not exceeded. Do not empty into drains. Do not eat, drink or smoke in contaminated areas. Before eating, drinking or smoking, remove contaminated clothing and wash hands. Do not store near strong oxidants. Avoid contact with natural, butyl or nitrile rubbers.
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Dispensing	Electrostatic charges may be generated during transfer. Electrostatic discharge may cause fire. Ensure electrical continuity by earthing all equipment. Containers, including those that have been emptied, can contain explosive vapours.
Flammability	Flammable.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures	Ensure that adequate ventilation is provided. Maintain air concentrations below recommended exposure standards. Avoid generating and inhaling mists. Keep containers closed when not in use.
Exposure Standards	In the absence of an occupational standards the following is recommended to be adopted: 100 mg/m ³ TWA (8hr).

PERSONAL PROTECTIVE EQUIPMENT

Eye/Face Protection	If work practices do not maintain airborne level below the exposure standard, use appropriate respiratory protection equipment. When using respirators, select an appropriate combination of mask and filter and select a filter for organic gases and vapours (boiling point >65°C). Respirators should comply with AS1716 or an equivalent approved by a state/territory authority. Wear safety goggles.
Skin/Body Protection	Use solvent resistant gloves. Nitrile for longer term protection or PVC and neoprene for incidental splashes. Use chemical resistant glove/gauntlets, boots and apron.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Coloured Liquid
Physical Form	Medium Viscosity Liquid
Colour	Varies, depending on oxide colour
Odour	Bland, slightly sweet
pH	Not Relevant
Vapour pressure	0.8 kPa @ 20°C
Vapour Density (air=1)	4.3
Boiling Point	Typical 148-182°C
Freezing/Melting Point	Data not available
Solubility in Water	Not miscible in water
Specific Gravity	1.45 g/cc
Flash Point	38-47°C (Abel)
Exposure/Flammability limits	0.01-7%
Autoignition Temperature	Typical 460°C
Corrosivity	Not corrosive



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SECTION 10 – STABILITY AND REACTIVITY

Stability	Stable under normal conditions of use.
Incompatible Materials	Strong oxidising agents.
Decomposition Products	Thermal decomposition is highly dependant on conditions. A complex mixture of airborne solids, liquids, gases, including carbon monoxide, carbon dioxide and other organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation.
Conditions to Avoid	Avoid heat, sparks, open flames and other ignition sources.

SECTION 11 – TOXICOLOGICAL INFORMATION

ACUTE HEALTH EFFECTS

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	Essentially non-irritating to eyes.
Skin	May cause moderate irritation to skin (but insufficient to classify). Prolonged contact may cause defatting of skin which can lead to dermatitis. Low toxicity LD50>2000mg/kg, Rat.
Inhalation	Inhalation of vapours or mists may cause irritation to the respiratory system. Low toxicity: LC50 greater than near-saturated vapour concentration 4 hours, Rat.
Chronic	Central nervous system: repeated exposure affects the nervous system.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity	Fish Toxic 1 <LC/EC/IC50 <= 10 mg/L Aquatic Invertebrates Toxic 1 <LC/EC/IC50 <= 10 mg/L Algae Toxic 1 <LC/EC/IC50 <= 10 mg/L
Mobility	Floats on water. Adsorbs to soil and has low mobility.
Persistence/degradability	Expected to be readily biodegradable. Oxidises by photo-chemical reactions in air.
Bioaccumulation	Has the potential to bioaccumulate.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal	Ensure waste disposal conforms to local waste disposal regulations.
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SECTION 14 – TRANSPORT INFORMATION

Shipping Name	Petroleum Distillates 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]

SECTION 15 – REGULATORY INFORMATION

Poisons Schedule	5
AICS	Listed

Dangerous Goods Initial Emergency Response Guide (SAA/SNZ HB76:1997): **14**

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 **PLYCRETE**.

SDS NEXT REVIEW DATE 24 January 2025

END OF SDS FOR PLYCRETE