



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: STEELCLENE
Manufacture Code: STCL
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 April 2001
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**

ACUTE HEALTH EFFECTS

Swallowed May cause irritation to gastro-intestinal tract. Ingestion causes nausea and vomiting. Ingestion may cause tissue damage.

Eye The material should not be allowed to come into contact with the eyes. Can be extremely irritating to the eyes. Will cause irritation to the mucous membranes.



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Skin The material should not come into contact with the skin. May be mildly irritating to the skin. May cause eczema.

Inhalation Avoid breathing vapour/ dust/ spray/ fumes. Inhalation of dusts or mist may irritate respiratory tract. May cause coughing.

Chronic Prolonged exposure may cause bronchitis, pneumonia and pulmonary oedema.

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.
Serious eye Damage/Irritation Category 2A		H319 – Causes serious eye irritation.

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.
PREVENTATIVE	P264 Wash face, hands and any exposed skin thoroughly after handling. P280 Wear protective gloves/protective clothing and eye/face protection.
RESPONSE	P362 Take off contaminated clothing and wash before reuse. P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P332 + P313 If skin irritation occurs: Get medical attention/advice. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 If eye irritation persists: Get medical advice/attention. P390 Absorb spillage to prevent material damage. P310 Immediately call POISON CENTRE or doctor/physician. P321 Specific treatment (see supplemental first aid instruction on this label).
STORAGE	P233 Keep container tightly closed.
DISPOSAL	P501 Dispose of contents/container in accordance with local/regional/national/international regulations.



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HSNO Classifications	Health Hazards	8.2C 8.3A	Substances that are corrosive to dermal tissue. Substances that are corrosive to ocular tissue.
	Environmental Hazards	9.3C	Harmful to terrestrial vertebrates.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS No.	CONCENTRATION
Lactic Acid	50-21-5	20-30% m/m
Malic Acid	6915-157	20-30% m/m
Surfactants		>2% m/m
Water	7732-18-5	30-60% m/m

SECTION 4 – FIRST AID MEASURES

Swallowed	If poisoning occurs, contact a doctor or poisons information centre. Do not induce vomiting. Clean mouth with water and give plenty of water to drink.
Eye	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eyes wide open while rinsing. Call a physician.
Skin	Seek immediate medical advise if effects persist after first aid treatment. Immediately remove all contaminated clothing and footwear. Wash skin thoroughly with water.
Inhalation	Seek medical advise immediately. Remove from the source of vapour/dust/spray/fumes. Remove to open space or fresh air. Restore and/or support breathing as required.
Advice to Doctor	Treat symptomatically based on judgement of doctor and individual reactions of patient. Main symptoms: Sweating, superficial burning sensation, vomiting Nausea or shortness of breath.

SECTION 5 – FIRE FIGHTING MEASURES

Fire and Explosion	Acceptable extinguishing media are foam, dry chemical and carbon dioxide. Use water to cool exposed containers. The residue may burn in the presence of a strong ignition source after the water has evaporated. The product emits acrid fumes and smoke when heated to decomposition; also gives CO ₂ and H ₂ O.
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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	Water fog, water spray.
Special Fire Fighting Procedures	Wear acid resistant chemical splash suit.
Decomposition Products	Severe fire, after evaporation, emits toxic acid fumes.
Reactivity	The material is deliquescent/ hygroscopic. The material is stable under normal conditions. Hazardous polymerisation – not applicable. Incompatible with oxidising agents.
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. 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.

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.
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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. 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.
Engineering Measures	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.

PERSONAL PROTECTIVE EQUIPMENT

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	Light yellow
Odour	Odourless
pH	2
Hazchem Code	2R
Poison Schedule	None
Flash Point	Above 74°C
Freezing Point	Approx. 0°C
Autoignition	Does not ignite
Water Solubility	Infinite
Vapour Pressure	Not Known
Vapour Density	Not Known
Specific Gravity	1.16 g/cc @25°C
Volatiles	Approx. 60% m/m at 760 mmHg @ 20°C
Corrosivity	Corrosive Class 8



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SECTION 10 – STABILITY AND REACTIVITY

Stability	Stable as supplied at normal (average) atmospheric temperatures.
Reactivity	The material is deliquescent/ hygroscopic. The material is stable under normal conditions. Hazardous polymerisation – not applicable. Incompatible with oxidising agents.
Decomposition Products	The residue may burn in the presence of a strong ignition source after the water has evaporated. The product emits acid fumes and smoke when heated to decomposition; also gives CO ₂ and H ₂ O.

SECTION 11 – TOXICOLOGICAL INFORMATION

General information	Oral LD50 Rat: >3200 mg/kg
Eye Irritant	Irritating to eyes.
Ingestion	No information available on the symptoms of ingestion of this product.
Inhalation	No information available on the symptoms of inhalation of this product.
Skin Irritant	No information available on the symptoms of skin contact of this product.
Carcinogen Category	No data available.

SECTION 12 – ECOLOGICAL INFORMATION

Not Available.

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. Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State and Federal regulations or recycled/reconditioned at an approved facility.
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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	2R



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SECTION 15 – REGULATORY INFORMATION

None known.

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 **Steelcylene**.

SDS NEXT REVIEW DATE **5 August 2024**

END OF SDS FOR STEELCYLENE