



Infosafe No™ LQ0HQ	Issue Date : July 2014	ISSUED by PARCHEMC
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Product Name : **SEALER STRIPPER**

1. Identification

GHS Product Identifier	SEALER STRIPPER
Company Name	Parchem Construction Supplies Pty Ltd (ABN 80 069 961 968)
Address	7 Lucca Road Wyong NSW 2259 Australia
Telephone/Fax Number	Tel: 02 4350 5000 Fax: 02 4351 2024
Emergency phone number	1800 638 556 (available 24/7)
Recommended use of the chemical and restrictions on use	Concrete coating stripper.
Other Information	<p>This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since Parchem Construction Supplies Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace.</p> <p>If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company. Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.</p> <p>www.parchem.com.au</p>

2. Hazard Identification

Classification of the substance or mixture	<p>Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.</p> <p>Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)</p> <p>Acute Toxicity - Oral: Category 4 Acute Toxicity - Inhalation: Category 4 Carcinogenicity: Category 2 Toxic to Reproduction: Category 2 STOT Single Exposure Category 2</p>
Signal Word (s)	Warning
Hazard Statement (s)	<p>H302 Harmful if swallowed. H332 Harmful if inhaled. H351 Suspected of causing cancer . H361 Suspected of damaging fertility or the unborn child. H371 May cause damage to organs.</p>
General Precautionary Statement (s)	<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>
Pictogram (s)	<p>Exclamation mark, Health hazard</p> <div style="display: flex; justify-content: space-around; align-items: center;">   </div>
Precautionary statement – Prevention	<p>P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P260 Do not breathe dust/fume/gas/mist/vapours/spray. P264 Wash skin thoroughly after handling.</p>

Infosafe No™ LQ0HQ	Issue Date : July 2014	ISSUED by PARCHEMC
--------------------	------------------------	--------------------

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Precautionary statement – Response

P270 Do not eat, drink or smoke when using this product.
 P271 Use only outdoors or in a well-ventilated area.
 P281 Use personal protective equipment as required.

GENERAL
 P308+P313 IF exposed or concerned: Get medical advice/ attention.
 INGESTION
 P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
 P330 Rinse mouth.
 P331 Do NOT induce vomiting.

INHALATION
 P304+P340 IF INHALED: Remove 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.
 P405 Store locked up.

**Precautionary statement – Storage
 Precautionary statement – Disposal
 Supplemental information**

P501 Dispose of contents/container to an approved waste disposal plant.

The information under this heading is not mandatory under WHS Regulations. It is provided as information on other GHS hazard classes and categories and/or environmental hazards that are outside the scope of the WHS Regulations.

GHS classification: Acute Toxicity - Dermal: Category 5, Skin
 Corrosion/Irritation: Category 3 Hazard statement: H313, H316. Precautionary statement: P332+P313; P312.

3. Composition/information on ingredients

Chemical Characterization	Liquid		
Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Dichloromethane	75-09-2	80-90 %
	Methanol	67-56-1	5-<10 %
	Toluene	108-88-3	1-5 %
	Ingredients determined not to be hazardous		Balance

4. First-aid measures

Inhalation	If inhaled, remove from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.
Ingestion	If swallowed, do NOT induce vomiting. Avoid giving milk or oils. Wash out mouth thoroughly with water. Seek immediate medical attention.
Skin	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Wash contaminated clothing before reuse or discard. Seek medical attention.
Eye contact	If in eyes wash out immediately with water. If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop and/or persist seek medical attention.
First Aid Facilities	Eyewash and normal washroom facilities.
Advice to Doctor	Treat symptomatically.
Other Information	For advice in an emergency, contact a Poisons Information Centre (Phone Australia 131 126) or a doctor at once.

5. Fire-fighting measures

Suitable extinguishing media	Carbon dioxide, dry chemical, foam, water fog or water mist.
Unsuitable Extinguishing Media	Do not use water jet.
Hazards from Combustion Products	Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide, carbon dioxide, nitrogen oxides, formaldehyde, hydrogen chloride, phosgene, other pyrolysis products typical of burning organic material.

Infosafe No™ LQ0HQ Issue Date : July 2014 ISSUED by PARCHEMC

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Specific hazards arising from the chemical This product will burn if exposed to fire. Dichloromethane is a combustible liquid under certain circumstances even though there is no measurable flash point and it is difficult to ignite its is flammable in ambient air in the range 12-23%; increased oxygen content can greatly enhance fire and explosion potential.

Hazchem Code 2X

Decomposition Temp. Not available

Precautions in connection with Fire Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers. Fight fire from safe location. This product should be prevented from entering drains and watercourses.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Evacuate all unprotected personnel. Do not allow contact with skin and eyes. Do not breathe mist/vapour. It is essential to wear self-contained breathing apparatus (S.C.B.A) and full personal protective equipment and clothing to prevent exposure. Avoid exposure to spillage by collecting the material using vacuum and transfer into suitable labelled containers for subsequent recycling or disposal. Dispose of waste according to applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

7. Handling and storage

Precautions for Safe Handling Toxic liquid. Avoid exposure. Exposure without protection must be prevented. Wear appropriate personal protective equipment and clothing to prevent exposure. Use in designated areas with local exhaust ventilation. DO NOT store or use in confined spaces. Build up of mists or vapours in the atmosphere must be prevented. Vapour is harmful to health on prolonged exposure. Forms dangerous gas near radiators or naked flames. Avoid contact with eyes. Avoid contact with skin. Avoid breathing in spray or mists or vapours. Do not smoke. Maintain high standards of personal hygiene i.e. washing hands prior to eating, drinking, smoking or using toilet facilities. Avoid exposure. Do not handle until all safety precautions have been read and understood. It is recommended that pregnant or breastfeeding women should not handle this product unless adequate exposure protection can be assured at all times. Female personnel planning pregnancy should be made aware of the potential risks.

Conditions for safe storage, including any incompatibilities This material is Toxic and must be stored, handled and maintained according to the appropriate regulations. Limit quantity in storage. Restrict access to storage area. Post appropriate warning signs. Consider leak detection and alarm systems, as required. Structural materials and lighting and ventilation systems in storage area should be corrosion resistant. Store in a cool, dry, well-ventilated area away from sources of ignition, oxidizing agents, strong mineral acids, bases metal and/or water. Keep containers closed when not in use, securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Ensure that storage conditions comply with applicable local and national regulations.

Contains low boiling substance: Storage in sealed containers may result in pressure buildup causing violent rupture of containers not rated appropriately. Check for bulging containers. Vent periodically. Always release caps or seals slowly to ensure slow dissipation of vapours.

For information on the design of the storeroom, reference should be made to Australian Standard AS/NZS 4452:1997 The storage and handling of toxic substances.

Recommended Materials Lined metal can, lined metal pail/ can. Plastic pail. Polyliner drum. For low viscosity materials: Drums and jerricans must be of the non-removable head type. Where a can is to be used as an inner package, the can must have a screwed enclosure.

Unsuitable Materials DO NOT use aluminium or galvanised containers

8. Exposure controls/personal protection

Infosafe No™ LQ0HQ	Issue Date : July 2014	ISSUED by PARCHEMC
--------------------	------------------------	--------------------

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Occupational exposure limit values No exposure value assigned for this material by Safe Work, Australia. However, the available exposure limits for ingredients are listed below:

Safe Work, Australia Exposure Standards:

Substance	TWA		STEL		NOTICES
	ppm	mg/m ³	ppm	mg/m ³	
Dichloromethane	50	174	-	-	Sk
Methanol	200	262	250	328	Sk
Toluene	50	191	150	574	Sk

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

STEL (Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

'Sk' Notice: Absorption through the skin may be a significant source of exposure. The exposure standard is invalidated if such contact should occur.

Biological Limit Values

Name: Dichloromethane
 Determinant: Dichloromethane
 Specimen: Urine
 Value: 0.3 mg/L
 Sampling time: End of shift.

Name: Methanol
 Determinant: Methanol
 Specimen: Urine
 Value: 15mg/l
 Sampling time: End of shift.

Name: Toluene
 Determinant: Toluene
 Specimen: Urine
 Value: 0.03mg/l
 Sampling time: End of shift.

Name: Toluene
 Determinant: Toluene
 Specimen: in blood
 Value: 0.02mg/l
 Sampling time: Prior to last shift of workweek

Name: Toluene
 Determinant: o-Cresol
 Specimen: Urine
 Value: 0.3mg/g creatinine
 Sampling time: End of shift.

Appropriate engineering controls

American Conference of Industrial Hygienists (ACGIH)
 This substance is toxic and should be used with a local exhaust ventilation system, drawing vapours away from workers' breathing zone. Alternatively, a process enclosure system such as a fume cupboard should be employed. If the engineering controls are not sufficient to maintain concentrations of particulates below the exposure standards, suitable respiratory protection must be worn. If local exhaust ventilation is used, ensure sufficient air is replaced to compensate the air that has been removed.

Respiratory Protection

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable organic vapour filter should be used (type AX-P filter). Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

Eye Protection

Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

Hand Protection

Wear gloves of impervious material such as PVC. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of

Infosafe No™ LQ0HQ Issue Date : July 2014 ISSUED by PARCHEMC

Product Name : **SEALER STRIPPER**

	handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.
Footwear	Wear safety footwear or safety gumboots, e.g. Rubber
Body Protection	Suitable protective work wear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

9. Physical and chemical properties

Form	Liquid
Appearance	Colourless liquid
Colour	Colourless
Odour	Penetrating, ether-like odour
Decomposition Temperature	Not available
Melting Point	Not available
Boiling Point	40°C
Solubility in Water	Insoluble. Sinks in water.
Specific Gravity	1.20-1.25
pH	Not available
Vapour Pressure	40kPa (25°C)
Vapour Density (Air=1)	>4
Evaporation Rate	Not available
Odour Threshold	Not available
Viscosity	Not available
Volatile Component	92%
Partition Coefficient: n-octanol/water	For Dichloromethane: log Kow: 1.25 For Toluene: log Kow: 2.73
Flash Point	Not available
Flammability	Non combustible
Auto-Ignition Temperature	Not available
Flammable Limits - Lower	Not available
Flammable Limits - Upper	Not available

10. Stability and reactivity

Reactivity	Reacts with incompatible materials.
Chemical Stability	Stable under normal conditions of storage and handling.
Conditions to Avoid	Extremes of temperature and direct sunlight.
Incompatible Materials	Contact with strong oxidisers, strong caustics and chemically active metals such as aluminum or magnesium powder, lithium, sodium and potassium may cause fire and explosions. Avoid concentrated nitric acid and other strong acids.
Hazardous Decomposition Products	Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide, carbon dioxide, nitrogen oxides, formaldehyde, hydrogen chloride, phosgene, other pyrolysis products typical of burning organic material.

Infosafe No™ LQ0HQ	Issue Date : July 2014	ISSUED by PARCHEMC
--------------------	------------------------	--------------------

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Possibility of hazardous reactions Dichloromethane contact with hot surfaces and elevated temperatures can form fumes of hydrogen chloride and phosgene reacts violently with active metals, aluminium, lithium, methanol, peroxydisulphuryl difluoride, potassium, potassium tert-butoxide, sodium. Dichloromethane dissolves endothermically in concentrated nitric acid to give a detonable solution. Prolonged heating with water at 180°C results in formation of formic acid, methyl chloride, methanol, hydrochloric acid and some carbon monoxide. Dichloromethane will form explosive mixtures in an atmosphere having a high oxygen content, in liquid oxygen and nitrogen tetroxide.

Hazardous Polymerization Will not occur.

11. Toxicological Information

Toxicology Information No toxicity data available for this material. The available acute toxicity data for the ingredients are given below.

Acute Toxicity - Oral For Dichloromethane:
LD50 (rat): 2,388mg/kg
For Methanol:
LD50 (rat): 5,600mg/kg
LD50 (mouse): 870mg/kg
For Toluene:
LD50 (rat): 5,000mg/kg

Acute Toxicity - Dermal For Toluene:
LD50 (rabbit): 12,124mg/kg

Acute Toxicity - Inhalation For Dichloromethane:
LC50 (rat): 16,100mg/L/6h
For Methanol:
LC50 (rat): 64,000ppm/4h
For Toluene:
LC50 (rat): 5,320mg/L/4hr

Ingestion Harmful if swallowed. Ingestion of this product may cause irritation to the mouth, throat, oesophagus and stomach with symptoms of nausea, abdominal discomfort, vomiting and diarrhoea.

Inhalation Harmful if inhaled. Inhalation of product vapours can cause irritation of the nose, throat and respiratory system.

Skin May be harmful in contact with skin. Product can be absorbed through skin with resultant harmful systemic effects. Causes mild skin irritation. Skin contact will cause redness, itching and swelling. Repeated exposure may cause skin dryness and cracking and may lead to dermatitis.

Eye May be irritating to eyes. The symptoms may include redness, itching and tearing.

Respiratory sensitisation Not expected to be a respiratory sensitiser.

Skin Sensitisation Not expected to be a skin sensitiser.

Germ cell mutagenicity Not considered to be a mutagenic hazard.

Carcinogenicity Suspected of causing cancer. Classified as a suspected human carcinogen. Dichloromethane is listed as a Group 2B: Possibly carcinogenic to humans according to International Agency for Research on Cancer (IARC). Toluene is listed as a Group 3: Not classifiable as to carcinogenicity to humans according to International Agency for Research on Cancer (IARC).

Reproductive Toxicity Suspected of damaging fertility or the unborn child. Classified as a suspected human reproductive or developmental toxicant.

STOT-single exposure May cause damage to organs.

STOT-repeated exposure Not expected to cause toxicity to a specific target organ.

Aspiration Hazard Not expected to be an aspiration hazard.

Other Information Chronic exposure to dichloromethane has produced headaches, dizziness, nausea, loss of memory, tingling in the hands and feet, and loss of consciousness. Many of these effects can be correlated with carboxyhemoglobin levels. Chronic dichloromethane exposure has been reported to result in kidney damage. Chronic

Infosafe No™ LQ0HQ Issue Date : July 2014 ISSUED by PARCHEMC

Product Name : SEALER STRIPPER

dichloromethane exposure at airborne levels of 300 to 1,000 ppm has been associated with loss of memory and balance disturbances. Nervous system disorders were reported in 30 percent of workers chronically exposed to airborne levels of 6.3 to 33.9 mg/m (maximum of only 9 ppm). A Czech study reported neurological complaints in workers exposed to dichloromethane airborne levels of 500 ppm or less.

12. Ecological information

Ecotoxicity	No ecological data available for this material.
Persistence and degradability	Persistence: Water/Soil Dichloromethane: Low Methanol: High Toluene: Low Persistence: Air Dichloromethane: High Methanol: no data Toluene: Medium
Mobility	Dichloromethane: High Methanol: High Toluene: Medium
Bioaccumulative Potential	Dichloromethane: Low Methanol: Low Toluene: Low
Other Adverse Effects	Not available
Environmental Protection	Do not discharge this material into waterways, drains and sewers.

13. Disposal considerations

Disposal Considerations	The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.
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14. Transport information

Transport Information	<p>Road and Rail Transport: This material is classified as Dangerous Goods Division 6.1 Toxic Substance according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th Edition). Class 6 Dangerous Goods are incompatible in a placard load with any of the following: - Class 1, Explosives - Class 3, Flammable Liquids, if the Class 3 dangerous goods are nitromethane - Class 5, Oxidizing Substances and Organic Peroxides, if the Class 6 material is a fire risk substance - Class 8, Corrosive Substances, if the Class 6 dangerous goods are cyanides and the Class 8 dangerous goods are acids And are incompatible with food and food packaging in any quantity.</p> <p>Marine Transport (IMO/IMDG): Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea. UN-No: 2810 Proper Shipping Name: TOXIC LIQUID, ORGANIC, N.O.S. (Contains Dichloromethane) Class: 6.1 Packaging Group: III EMS No.: F-A, S-A Special Provisions: 223 274</p> <p>Air Transport (ICAO/IATA): Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air. UN-No: 2810 Proper Shipping Name: TOXIC LIQUID, ORGANIC, N.O.S. (Contains Dichloromethane) Class: 6.1 Packaging Group: III</p>
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Infosafe No™ LQ0HQ Issue Date : July 2014 ISSUED by PARCHEMC

Product Name : **SEALER STRIPPER**

U.N. Number	Hazard Label: Toxic Packaging Instructions (passenger & cargo): 655 Packaging Instructions (cargo only): 663 Special Provisions: A3 A4 A137 2810
UN proper shipping name	TOXIC LIQUID, ORGANIC, N.O.S. - (Contains Dichloromethane)
Transport hazard class(es)	6.1
Hazchem Code	2X
Packaging Method	3.8.6.1RT7, RT8
Packing Group	III
EPG Number	6B3
IERG Number	36
IMDG Marine pollutant	No

15. Regulatory information

Regulatory Information	Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia. Classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).
Poisons Schedule	S5
AICS (Australia)	All components of this product are listed on the Australian Inventory of Chemical Substances (AICS) or exempted.

16. Other Information

Date of preparation or last revision of SDS	SDS Reviewed: July 2014 Supersedes: October 2011
Literature References	Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice. Standard for the Uniform Scheduling of Medicines and Poisons. Australian Code for the Transport of Dangerous Goods by Road & Rail. Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals. Workplace exposure standards for airborne contaminants, Safe work Australia. American Conference of Industrial Hygienists (ACGIH). Globally Harmonised System of classification and labelling of chemicals.
Contact Person/Point	Technical Support: 1800 812 864 ...End Of MSDS...

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