

MATERIAL SAFETY DATA SHEET



Chem Pack Pty Ltd

ABN 62 060 283 089

120 Fulton Drive Derrimut Vic 3030

incorporating

Citro-Clean Products & Chemlube

(Registered Business Names of Chem Pack Pty Ltd)



Citro-Clean Products

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Chemlube

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CITRO-CLEAN MULTIPURPOSE CLEANER

Based on available information, classified as hazardous according to health criteria of NOHSC Australia.

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Supplier: Chem Pack Pty Ltd
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Emergency telephone number: 0412 582 924

Substance: Citro-Clean Multipurpose Cleaner
Product name: Citro-Clean
Product Use: Multipurpose solvent based cleaner
Creation Date: 05 April 2004

2. COMPOSITION/INFORMATION ON INGREDIENTS

Recommended Use: Multipurpose solvent based cleaner
Appearance: Clear to yellowish liquid with citrus odour.

Chemical Entity	CAS NO.	Proportion (% weight/weight)
Dipentene	5989-27-5	40-60%
SVR	64-17-5	40-60%
Methoxypropoxypropanol	34590-94-8	5-20%
Alcohols	68439-46-3	5-20%
Lecithan	N/Av	1-10%

3. HAZARDS IDENTIFICATION

A. EMERGENCY OVERVIEW:

Physical Appearance and Odor:

Clear to yellowish liquid with citrus odour

Warning statements:

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B. POTENTIAL HEALTH EFFECTS:

Eye: Liquid and vapour may severely irritate or damage the eyes.

Skin: Skin irritant, can be absorbed through skin. Brief contact may cause redness. Repeated or prolonged contact may lead to dermatitis with redness, itching, swelling and possible secondary infection. A small proportion of people exposed to repeated skin contact may develop an allergic skin reaction.

Inhalation: Vapour or mists may be irritating to respiratory system. Readily absorbed through inhalation. Strong odour causes discomfort to some people. Inhalation of the vapour may result in headache, nausea and vomiting. High concentrations may cause central nervous system symptoms similar to those in the 'Ingestion' section below.

Ingestion: Low acute toxicity in animal studies. Ingestion of 20g caused diarrhea, painful constrictions and proteinuria in volunteers. Aspiration of limonene may cause lung damage or pneumonitis. Unlikely under normal occupational exposures, but swallowing may cause harmful central nervous system effects. Effects may include excitation, euphoria, headache, dizziness, drowsiness, blurred vision, fatigue, tremors, convulsions, loss of consciousness, coma, respiratory arrest and death. Severe acute intoxication may cause hypoglycaemia, hypothermia and extensor rigidity. Other effects may include decreased blood pressure, vomiting blood, and blood changes.

Chronic Effects: Chronic intoxication by swallowing or repeated inhalation, may cause degenerative changes in the liver, kidneys, hair, gastrointestinal tract and heart muscle. Evidence of skin sensitization.

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4. FIRST AID MEASURES

Inhalation: Remove to fresh air. Rest patient and keep warm. Give artificial respiration if breathing stops. Seek medical attention

Skin contact: Remove contaminated clothing. Wash affected areas with copious amounts of soap and water. If irritation persists, seek medical attention.

Eye contact: Irrigate with water for 15 minutes. Seek medical attention promptly.

Ingestion: Give plenty of water to drink, do not induce vomiting as aspiration may occur and cause lung damage. If poisoning occurs contact a doctor, or Poisons Information Centre.

Notes to physician: Treat symptomatically. Gastric Lavage may be indicated if ingested. Do not wait for symptoms to develop. General measures should be taken to control acidosis and maintain urine output.

5. FIRE-FIGHTING MEASURES

Flash Point: From 13°C - 23°C (Closed cup)

Flammability Limits: (% Vol): No Data

Suitable extinguishing media: Use water spray, dry chemical powder or alcohol stable foam.

Hazards from combustion products: Burning can produce carbon dioxide and/or carbon monoxide.

Precautions for Firefighters and Special Protective Equipment

In case of fire, use Self Contained Breathing Apparatus with full face mask and complete protective clothing.

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6. ACCIDENTAL RELEASE MEASURES

Shut off all possible sources of ignition. Increase ventilation. Wear protective equipment to prevent skin and eye contamination and inhalation of vapours. Contain, prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labeled containers for disposal. Wash down area with detergent and excess water.

Refer to State Land Waste Management Authority. Advise flammable nature. Normally suitable for incineration by approved agent.

7. HANDLING AND STORAGE

Storage: Store in cool, dry place out of direct sunlight. Store in well ventilated area away from oxidizing agents and foodstuffs.

Handling: Not to be loaded with explosives (class1) flammable gases (class2.1) in bulk, poisonous gases (class 2.3) spontaneously combustible substances (class 4.2), oxidizing agents (class 5.1) organic peroxides (class 5.2) radioactive substances (class 7) however exemptions may apply.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National occupational exposure limits:

No value assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC Australia).

Engineering measures: Use only in well ventilated areas. Keep containers closed when not in use.

Protective Gloves/Clothing	Wear overalls & impervious gloves
Eye Protection	Wear chemical goggles

Wash hands before smoking, eating, drinking or using the toilet & wash contaminated clothing and protective equipment before storing or reusing personal protection equipment:

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: yellowish liquid with citrus odour	Solubility: Emulsifiable
Vapour Pressure (20°C): N Av	Specific Gravity (15°C): 0.82
Water Solubility: Emulsifiable	pH (1% aqueous soln): 7.89
Evaporation Rate: N Av	Flash Point (°C): > 13°C
Flammability Limits (%): N Av	Autoignition Temp (°C): N Av

(Typical values only - consult specification sheet)
N Av = Not available N App = Not applicable

10. STABILITY AND REACTIVITY

Reactivity:	Stable.
Conditions to Avoid:	Heat, ignition sources and direct contact with eyes or skin
Incompatibility:	Not available
Hazardous Decomposition:	Not available

11. TOXICOLOGICAL INFORMATION

Ingestion Ingestions by pregnant women is associated with "foetal alcohol syndrome" in their babies.

Eyes Eye irritation. Severely irritating.

Skin Skin irritation. Severely irritating with prolonged contact.

Inhalation No data.

Acute toxicity / Chronic toxicity: No LD50 data available for product. Persons with pre-existing liver impairment, skin and respiratory disorders may be at an increased risk from exposure. Ethanol may

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also cause adverse reproductive effects. Concurrent absorption with some drugs may cause adverse health effects.

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways. Product may be toxic to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

Refer to State/Territory Land Waste Management Authority. Dispose of material through a licensed waste contractor.

14. TRANSPORT INFORMATION

UN Number	1993
Class	3.1
Packaging Group	III

Road and Rail Transport

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

Marine Transport

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

15. REGULATORY INFORMATION

Based on available information, classified as hazardous according to health criteria of NOHSC Australia.

Poisons Schedule (Aust)/Toxic Substance (NZ): None Allocated

16. OTHER INFORMATION

Any advice, recommendation, information, assistance or service provided by Chem Pack Pty Ltd in relation to the goods supplied by it or their use or application is given in good faith and believed to be appropriate and reliable. However, it is provided with a disclaimer for any liability or responsibility on the part of Chem Pack Pty Ltd. The customer accepts all risk and responsibility for use of the goods alone, or in combination with other products. All warranties, guarantees and conditions, other than those expressly stated, and when implied by statute, common law, custom of the trade or otherwise, are to the extent that the law permits, expressly excluded.