

# MATERIAL SAFETY DATA SHEET



## Chem Pack Pty Ltd

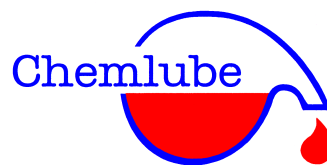
ABN 62 060 283 089

120 Fulton Drive Derrimut Vic 3030

incorporating

## Citro-Clean Products & Chemlube

(Registered Business Names of Chem Pack Pty Ltd)



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## CITRO-CLEAN SHOWER AND METAL CLEANER

Based on available information NOT classified as hazardous according to health criteria of NOHSC Australia.

NOT 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  
**ABN:** 62 060 283 089  
**Street Address:** 120 Fulton Drive Derrimut Vic 3030  
**Telephone:** + 61 3 8369 9999  
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**Emergency telephone number:** 0412 582 924

**Substance:** Citro-Clean Shower and Metal Cleaner  
**Product name:** Citro-Clean Shower and Metal Cleaner  
**Product Use:** Multipurpose water based cleaner  
**Creation Date:** 01 April 2009

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

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

Chemical Entity	CAS NO.	Proportion (% weight/weight)
Empigen OBAU	68989-00-4	10-30%
Empigen BS	N/Av	<10%
D-Limonene	5989-27-5	10-30%
Alcohols	68439-46-3	10-30%
Dipropylene glycol n-butyl ether	29911-28-2	<10%
Citric Acid	77-92-9	<10%
Glycolic Acid	79-14-1	<10%

### 3. HAZARDS IDENTIFICATION

#### A. EMERGENCY OVERVIEW:

**Physical Appearance and Odor:**

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Clear to yellowish liquid with citrus odour

## Warning statements:

Based on available information, NOT classified as hazardous according to health criteria of NOHSC Australia.

## B. POTENTIAL HEALTH EFFECTS:

**Eye:** Liquid and vapour may cause eye irritation.

**Skin:** Skin irritant, can be absorbed through skin.

**Inhalation:** Vapour or mists may be irritating to respiratory system. Readily absorbed through inhalation.

**Ingestion:** Ingestion of 20g caused diarrhea, painful constrictions and proteinuria in volunteers. Aspiration of limonene may cause lung damage.

**Chronic Effects:** There is evidence of sensitization by skin contact with oxidized limonene. There are limited data on the potential for respiratory irritation or 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:** N/Av

**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.

## 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.

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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 (clas 2.3) spontaneously combustible substances (clas 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

<b>Physical State:</b> Yellowish liquid with citrus odour	<b>Solubility:</b> Emulsifiable
<b>Vapour Pressure (20°C):</b> N Av	<b>Specific Gravity (15°C):</b> 0.82
<b>Water Solubility:</b> Emulsifiable	<b>pH (1% aqueous soln):</b> 7.89
<b>Evaporation Rate:</b> N Av	<b>Flash Point (°C):</b> > 13°C
<b>Flammability Limits (%):</b> N Av	<b>Autoignition Temp (°C):</b> 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. IARC evaluated as "Group 1 carcinogenic to humans" when ingested.

**Eyes**                              Eye irritation. Mildly irritating.

**Skin**                                Skin irritation. Mildly irritating.

**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 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.

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## 13. DISPOSAL CONSIDERATIONS

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

## 14. TRANSPORT INFORMATION

UN Number	N/a
Class	N/a
Packaging Group	N/a

### Road and Rail Transport

NOT Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

### Marine Transport

NOT Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

### Air Transport

NOT 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, NOT 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.