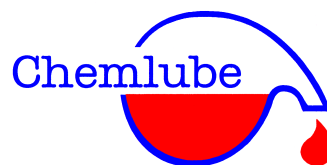


MATERIAL SAFETY DATA SHEET



Chem Pack Pty Ltd
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incorporating
Citro-Clean Products & Chemlube
(Registered Business Names of Chem Pack Pty Ltd)



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Karby Kleen Aerosol Spray

This product is classed as a Dangerous Goods according to criteria of NOHSC.
This product is classified as a Dangerous Goods 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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Street Address: 120 Fulton Drive Derrimut Vic 3030
Telephone: + 61 3 8369 9999
Facsimile: + 61 3 8369 9901
Emergency telephone number: 0412 582 924

Substance: Chemlube Karby Kleen 400g Aerosol Spray
Product name: Karby Kleen
Product Use: Carburetor Cleaner
Creation Date: 01 April 2009

2. COMPOSITION/INFORMATION ON INGREDIENTS

Recommended Use: Cleaning Carbon deposits from carburetors
Appearance: Colourless liquid with slight odour

Chemical Entity	CAS NO.	Proportion (% weight/weight)
Propane Butane Blend	68475-59-2	10-30%
Dichloromethane	75-09-2	1-10%
Dimethylbenzene	1330-20-7	30-60%

3. HAZARDS IDENTIFICATION

A. EMERGENCY OVERVIEW:

Physical Appearance and Odor:
Colourless liquid with slight odour

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

B. POTENTIAL HEALTH EFFECTS:

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Eye: Will cause eye discomfort, but will not injure eye tissue.

Skin: Irritating. Moderate systemic toxicity through skin.

Inhalation: Vapour concentrations above recommended exposure levels may be irritating to the eyes and the respiratory tract, may cause headaches and dizziness, could be anesthetic and may have other central nervous system effects.

Ingestion: Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause bronchopneumonia oedema. Minimal toxicity.

Chronic Effects: Xylene is absorbed mainly through inhalation. About 60% of inhaled xylene is absorbed into the systemic circulation. Exercise increases the absorption of xylene. About 95% of absorbed xylene is metabolized rapidly in the liver and excreted in urine as methyl hippuric acid.

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

4. FIRST AID MEASURES

Ingestion: If swallowed, DO NOT induce vomiting. Keep at rest. Get prompt medical attention.
Eye contact: Flush eyes with large amounts of water until irritation subsides. If irritation persists seek medical attention.
Skin contact: Immediately flush with large amounts of water; use soap if available. Remove contaminated clothing, including shoes, after flushing has begun. If irritation persists, get medical attention.
Inhalation: Using proper respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Call for prompt medical attention.

Notes to physician: Treat symptomatically based on judgement of doctor and individual reactions of the patient.

5. FIRE-FIGHTING MEASURES

Flash Point: -81 (Propellant), Active 27°C (Closed cup)

Flammability Limits: (% Vol): Lower: 1, Upper: 7.

Suitable extinguishing media: Use foam or dry chemical to extinguish fire. Avoid spraying water directly into storage containers due to danger of boilover.

Hazards from combustion products: No unusual combustion products exist. Hazardous polymerization will not occur.

Precautions for Firefighters and Special Protective Equipment:

Fire-fighters should wear full protective clothing including self-contained breathing apparatus. Use water spray to cool fire exposed surfaces and to protect personnel. Shut off "fuel" to fire. If a leak or spill has not ignited use water spray to disperse the vapours and to protect personnel attempting to stop a leak.

6. ACCIDENTAL RELEASE MEASURES

Cleanup and Disposal of Spill: Clean up personnel should wear full protective clothing including self contained breathing apparatus if inhalation hazard exists. Eliminate all sources of ignition. Warn occupants of downwind areas of fire and explosion hazard. Prevent liquid from entering sewers, watercourses, or low areas. Keep public away. Shut off source if possible to do so without hazard. Advise Police if substance has entered a watercourse or sewer or has contaminated soil or vegetation. Take measures to minimize the effect on the ground water.

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LAND SPILL – Contain spilled liquid with sand or earth. Recover by pumping (use an explosion-proof or hand pump) or with a suitable absorbent. If liquid is too viscous for pumping, scrape up with shovels or pails and place in suitable containers for recycle or disposal.

WATER SPILL – Notify port or relevant authority and keep public away. Remove from surface by skimming or with suitable absorbents. If allowed by local authorities and environmental agencies sinking and/or suitable dispersants may be used in non-confined waters.

7. HANDLING AND STORAGE

Precautions for Safe Handling: For open systems where contact is likely, wear chemical resistant gloves, rubber boots, a chemical jacket, and a face shield. Where contact may occur, wear long sleeves, chemical resistant gloves and a face shield. Where concentrations in air may exceed the limits given under exposure standards and engineering, work practice or other means of exposure reduction are not adequate, approved respirators may be necessary to prevent overexposure by inhalation.

Precautions for Safe Storage: Store in a cool well ventilated place. Keep separated from incompatible substances. Keep away from ignition sources at all times. Store aerosols in cool, dry environment below 38°C. Avoid storage with oxidizers, metals, bases and combustible materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National occupational exposure limits:

Worksafe Australia recommends the following exposure standards:

TWA : 80 ppm (350 mg/m³)

STEL : 150 ppm (655 mg/m³)

Engineering measures: Ensure adequate ventilation to maintain airborne concentrations below standards.

Personal protection equipment: See section 7. Precautions for Safe Handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form / Colour / Odour: Colourless liquid with slight odour.

Specific Gravity (15°C):	0.71 @ 15°C	Melting Point (°C):	N App
Rel. Vapour Density (air=1):	N Av	Boiling Point (°C):	40°C - 140°C
Vapour Pressure (20°C):	N Av	Decomp. Point (°C):	N Av
Sublimation Point:	N App	pH (1% aqueous soln):	N Av
Autoignition Temp (°C):	N Av	Viscosity (20°C):	N Av
% Volatile by volume:	60% below 150°C	Evaporation Rate:	Rapid
Solubility in water:	Below 0.1% mass		

(Typical values only - consult specification sheet)

N Av = Not available N App = Not applicable

10. STABILITY AND REACTIVITY

Stability: Stable under anticipated conditions of storage and handling.

Conditions to Avoid: No data.

Incompatible materials: Strong oxidising agents, bases and combustible materials.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms that may arise if the product is mishandled are:

Acute Effects

Ingestion: (rat) LD50: 4300 mg/kg.

Eye contact: Not available.

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Skin contact: LD50. Not available.
Inhalation: LD50. Not available.
Chronic toxicity: Not available.

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Henry's law constant (atm/mole) : 6.650000E-03
LOG POW : 3.3 – 3.4 (calculated) CLOGP computer program
LOG KOC : 3.1 – 3.2 (calculated) ASTER computer program
T $\frac{1}{2}$ Hydrolysis (days) : hydrolysis unlikely
T $\frac{1}{2}$ Atmospheric (days) : less than 6.0, calculated
Ecotoxicity : BCF : 208

13. DISPOSAL CONSIDERATIONS

DISPOSAL – Dispose of in accordance with all local, state and federal regulations at an approved waste disposal facility. This product is NOT suitable for disposal by either landfill or via municipal sewers, drains, natural streams or rivers. This product is ashless and can be burned directly in appropriate equipment.

14. TRANSPORT INFORMATION

UN Number	1950
Class	2
Packing Group	II

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 dangerous goods 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.