

## IDENTIFICATION

**PRODUCT NAME:** PACER SUPER SOLV**OTHER NAMES:** FLAMMABLE LIQUID, N.O.S.  
(CONTAINS d-LIMONENE)**UN NUMBER:** 1993  
**D.G. CLASS:** 3  
**SUBSIDIARY RISK:** NONE  
**HAZCHEM CODE:** 3[Y]  
**PACKAGING GROUP:** III  
**POISONS SCHEDULE:** 6**HAZARDOUS ACCORDING TO THE CRITERIA OF WORKSAFE AUSTRALIA.****RECOMMENDED USE:** Solvent cleaner.**PRODUCT DESCRIPTION / PROPERTIES**

**APPEARANCE:** Clear colourless liquid with an icinol odour.  
**BOILING POINT / MELTING POINT:** No information available.  
**VAPOUR PRESSURE:** No information available.  
**PERCENT VOLATILES:** Approx. 99% w/w  
**SPECIFIC GRAVITY / BULK DENSITY:** 0.83  
**FLASH POINT:** 56 °C  
**FLAMMABILITY LIMITS:** No information available.  
**AUTOIGNITION TEMPERATURE:** No information available.  
**PH:** Not relevant.  
**BEST BEFORE:** 2 years from manufacturing date (when stored as directed)

<b>INGREDIENTS:</b>	<b>CAS No.</b>	<b>Range (w/w)</b>
d-LIMONENE	5989-27-5	<10%
ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2	30 - 60%
Other ingredients not considered hazardous by Worksafe Australia.	to	100%

## HEALTH HAZARD INFORMATION

**HEALTH EFFECTS**

**SWALLOWED:** Harmful if swallowed. Capable of causing irritation if swallowed. Aspiration may cause lung damage.

**EYE:** Capable of causing severe irritation.

**SKIN:** The product can cause drying, irritation and can de-fat the skin with long and repeated contact. May cause skin sensitisation.

**INHALED:** Vapour, mists and sprays are capable of causing irritation. Strong odour may cause some discomfort.

**FIRST AID**

**SWALLOWED:** For advice, contact a Poisons Information Centre (Phone Australia 131126; New Zealand 03 4747 000) or a doctor.  
If swallowed, do NOT induce vomiting.

**EYE:** If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.

**SKIN:** If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor.

**INHALED:** Remove from source of exposure to fresh air. Seek medical assistance if effects persist.

**ADVICE TO DOCTOR:** Treat symptomatically.

Emergency Telephone Number **1-800-628-724**

Campbell Cleantec (ABN 92 009 657 489), 32 Perivale Street, DARRA Q 4076



# MATERIAL SAFETY DATA SHEET

**PRECAUTIONS FOR USE**

EXPOSURE LIMITS:	No value assigned for this specific material by the National Occupational Health and Safety Commission (Worksafe Australia). However, the exposure standard for the hazardous ingredients are listed below: T.W.A. for 2-Butoxyethanol = 121mg/m <sup>3</sup> T.W.A. for Limonene = 25ppm S.T.E.L for Limonene = 50ppm
VENTILATION:	Ensure adequate ventilation. Local exhaust ventilation or flameproof fume cupboards may be necessary for some operations. Use of closed or semi-closed processes can reduce exposure.
PERSONAL PROTECTION:	Protective equipment must be worn: Butyl rubber, neoprene or PVC gloves, waterproof apron, safety boots and safety glasses / goggles or a full-face shield. Avoid breathing mist or sprays. If ventilation is not adequate or in confined spaces and in places with limited ventilation, wear a respirator with an organic vapour filter meeting the requirements of AS1715 and AS1716.
FLAMMABILITY:	<b><u>FLAMMABLE LIQUID</u></b> <b>** NO SMOKING - NO NAKED LIGHTS **</b> Prevent the build up of vapours and avoid ignition sources. Flammable liquids in use. For safety reasons, use earthed hoses, ensure motors are flameproof and the work area is well ventilated.

**SAFE HANDLING INFORMATION**

STORAGE AND TRANSPORT:	Store in the original container, in a cool dry well-ventilated area out of sunlight, away from other chemicals and away from heat and open flames. Store away from foodstuffs. Keep containers tightly closed at all times – check regularly for leaks. Vent drums carefully when opening. Transport and store upright. The product is a <b>flammable liquid - Class 3</b> (Transportation of Dangerous Goods Code). Not to be loaded with explosives (class 1), toxic gas (class 2.3), spontaneously combustible (class 4.2), oxidising agents (class 5.1), organic peroxides (class 5.2), radioactive substances (class 7), foodstuffs and foodstuff empties however exemptions may apply. This material is a Scheduled Poison (S6) and must be stored, maintained and used in accordance with the relevant regulations.
SPILLS AND DISPOSAL:	Wear suitable protective equipment. Ensure adequate ventilation. A respirator may be required to minimise risk of inhalation. Spillages are slippery. Keep spectators away – rope off the area. Remove all sources of ignition – NO SMOKING. All equipment used must be earthed. Prevent entry into waterways, drains or confined areas. Absorb with dry earth, sand or other non-combustible material, shovel up and dispose of in an area approved by local authority by-laws. Do not incinerate, the by-products can be hazardous.
FIRE / EXPLOSION HAZARD:	Flammable liquid. On burning will emit noxious fumes such as carbon monoxide, carbon dioxide and smoke. Overheated drums can explode. Should be stored outdoors in a bunded "Flammable Liquids" area. <i>d-Limonene is incompatible with strong oxidising agents and peroxides. Hazardous decomposition products include an acrid and irritating smoke. This product is not an oxygen donor.</i> Fire fighters should wear self-contained breathing apparatus to minimise risk of exposure to vapour or products of combustion. Extinguish fires with carbon dioxide, dry chemical powder, foam or water spray. Caution: Use of water spray when fighting fire may be inefficient.
OTHER INFORMATION:	<b>TOXICITY DATA FOR d-LIMONENE:</b> Oral LD <sub>50</sub> (rat) bw 4.4 g/kg (male); 5.1g/kg (female)                      Dermal LD <sub>50</sub> (rabbit) bw > 5 g/kg <b>ENVIRONMENTAL DATA: ACUTE TOXICITY FOR d-LIMONENE:</b> LC <sub>50</sub> (fish) ≤ 1 mg/L 96h    EC <sub>50</sub> (Daphnia) ≤ 1 mg/L 48h                      IC <sub>50</sub> (algae) ≤ 1 mg/L 72h <b>TOXICITY DATA FOR ETHYLENE GLYCOL MONOBUTYL ETHER:</b> Oral LD <sub>50</sub> (rat) 530 - 3000 mg/kg                      Oral LD50 (mouse)                      1230 mg/kg Dermal LD <sub>50</sub> (rabbit) 100 – 500 mg/kg                      Inhalation LC50 (rat)                      450 – 490 ppm/4H

**KEEP OUT OF REACH OF CHILDREN**

*The information contained in this MSDS is specific to the product when handled and used neat. This product when diluted may be classified as non-hazardous and may not require the same control measures as the neat product. Check with your technical representative if in doubt.*

<b>CONTACT POINTS:</b>	<b>Customer Service</b>	<b>1800 077 240</b>
	<b>Emergency Contact</b>	<b>1800 628 724</b>

**ISSUE NUMBER: 002****ISSUE DATE: 25 JUNE 2002****THIS ISSUE NUMBER REPLACES ALL PREVIOUS ISSUES.**

*This MSDS has been prepared from current technical data and summarises at the date of issue our best knowledge of the health and safety information of the product, and in particular how to safely handle and use the product in the workplace.*

*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 products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.*

**Emergency Telephone Number 1-800-628-724**

Campbell Cleantec (ABN 92 009 657 489), 32 Perivale Street, DARRA Q 4076

