



SAFETY DATA SHEET	
CUSTOM CHEMICALS INTERNATIONAL	Product: EUCALYPTUS OIL 85%
Date of Issue: DECEMBER 2012	Page 1 of Total 7

## SECTION 1 – STATEMENT OF CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**SUPPLIER:** Custom Chemicals International Pty Ltd  
**ADDRESS:** 103-107 Potassium Street, Narangba 4504 Queensland Australia  
**Trade Name:** **EUCALYPTUS OIL 85%**  
**TELEPHONE:** +617 3204 8300 **FAX:** +617 3204 8311  
**AHEMERGENCY TELEPHONE:** 13 1126 in Australia **ABN:** 73 050 537 674  
**Substance:** Essential oil **Product Use:** Solvent based liquid  
**Creation Date:** DEC 2012 **Revision Date:** DEC 2017  
**Product Code:** 0073030; 0051966[1L], 0051960[5L]

## SECTION 2 – HAZARDS IDENTIFICATION

- This product is **classified as HAZARDOUS (HARMFUL/Flammable)** according to criteria of the National Occupational Health and Safety Commission Australia.
- This product is **classified as Dangerous Goods (class 3 Flammable)** according to the Australian Dangerous Goods (ADG) Code.
- This product is **classified as a Scheduled 6 Poison** according to the SUSMP.

### Approved NOHSC Classification



Xn – HARMFUL  
R10 - Flammable  
S(1/2) – Keep locked up and out of reach of children.  
S16 - Keep away from sources of ignition.

<b>UN Number</b>	1993	<b>ADG Classification</b>	Class 3
<b>Shipping Name</b>	FLAMMABLE LIQUID, N.O.S.	<b>ADG Subsidiary Risk</b>	None allocated
<b>Hazchem Code</b>	3Y	<b>Packing Group</b>	III
<b>SUSMP Classification</b>	S6 POISON	<b>ADG Class</b>	



### EMERGENCY OVERVIEW

<b>Colour</b>	Colourless/straw	<b>Odour</b>	Hydrocarbon
<b>Physical Description</b>	Liquid	<b>Viscosity</b>	Non-viscous liquid
<b>Major Health Hazards</b>	None known		

## SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients determined not to be hazardous are present in concentrations that do not exceed the relevant cut-off concentrations as found from NOHSC publication "List of Designated Hazardous Substances" or have been found NOT to meet the criteria of a hazardous substance as defined in the NOHSC publication "Approved Criteria for Classifying Hazardous Substances".

Ingredients:	CAS Number:	Proportion:	Exposure Standards TWA	Exposure Standards STEL
Eucalyptus oil (cineole)	470-82-6	> 60% w/w	not set	not set

The **TWA** exposure value is the Time Weighted Average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The **STEL** (Short Term Exposure Limit) is an exposure value that should not be exceeded for more than 15 minutes and should not be repeated for more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.



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### SECTION 4 – FIRST AID MEASURES

<b>Scheduled Poisons</b>	Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons. (Phone Australia 131126 or New Zealand 0800 764 766).
<b>First Aid Facilities</b>	Normal washroom facilities.
<b>Skin contact</b>	Wash skin with plenty of water. Remove contaminated clothing and wash before re-use. Seek medical advice (e.g. doctor) if irritation, burning or redness develops.
<b>Eye contact</b>	Immediately irrigate with copious quantities of water for at least 20 minutes. Eyelids to be held open. Seek medical advice (e.g. ophthalmologist).
<b>Ingestion</b>	Do NOT induce vomiting. Do NOT attempt to give anything by mouth to an unconscious person. Rinse mouth thoroughly with water immediately. Give water to drink. If vomiting occurs, give further water to achieve effective dilution. Seek medical advice (e.g. doctor).
<b>Inhalation</b>	Remove person to fresh air- avoid exposure. Seek medical advice (e.g. doctor) if symptoms persist.
<b>Advice to Doctor</b>	Treat symptomatically. All treatments should be based on observed signs and symptoms of distress of the patient. Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons.
<b>Aggravated Medical Conditions</b>	None known.

### SECTION 5 – FIRE FIGHTING MEASURES

<b>Fire and Explosion Hazards</b>	Flammable. In use, may form flammable/explosive vapour-air mixture.
<b>Extinguishing Media</b>	Use carbon dioxide (CO <sub>2</sub> ) fire extinguisher, foam, dry chemical powder, water fog or fine water spray.
<b>Fire Fighting</b>	Keep containers exposed to extreme heat cool with water spray. Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of combustion or decomposition. Evacuate area - move upwind of fire.
<b>Flash Point</b>	48 °C

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

<b>Emergency Procedures</b>	HAZCHEM code : <b>3Y</b> <b>3</b> = use FOAM to fight fires. <b>Y</b> = Yes – risk of violent reaction, recommend full fire kit and breathing apparatus. Appropriate measures : CONTAIN. <ul style="list-style-type: none"><li>➤ Shut off engine and electrical equipment off.</li><li>➤ No smoking or naked lights within 50 metres.</li><li>➤ Move people from immediate area; keep upwind.</li><li>➤ Send messenger to notify fire brigade and police.</li><li>➤ Tell them location, material quantity, UN number and emergency contact. Indicate condition of vehicle and damage or injuries observed.</li><li>➤ Warn other traffic.</li></ul>
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### Occupational Release

Minor spills do not normally need any special clean-up measures. In the event of a major spill, prevent spillage from entering drains or water-courses. For large spills, or tank rupture, consider initial evacuation distance of 200 metres in all directions. Stop leak if safe to do so. If available, use water spray to disperse vapour. Wear appropriate protective equipment as in section 8 below to prevent skin and eye contamination. Spilt material may result in a slip hazard and should be absorbed into dry, inert material (e.g. sand, earth or vermiculite), which then can be put into appropriately labelled drums for disposal by an approved agent according to local conditions. Residual deposits will remain slippery. Wash area down with excess water. If contamination of sewers or waterways has occurred advise the local emergency services. In the event of a large spillage notify the local environment protection authority or emergency services.

## SECTION 7 – HANDLING AND STORAGE

### Handling

Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke. Keep containers closed at all times. Avoid physical damage to containers. Always wash hands with water after handling. Do not breathe vapour, spray, mists. Use local exhaust extraction. Extinguish any naked flames. Remove ignition sources. Avoid sparks. Do not smoke. Take precautionary measures against static discharges. Earth all equipment. Do not empty into drains.

### Storage

Store in a cool, dry, place with good ventilation. Store away from incompatible materials (Section 10). Keep containers closed at all times – check regularly for leaks. Keep container tightly closed and in a well-ventilated place. Keep away from direct sunlight and other sources of heat or ignition. Do not smoke in storage areas. This material is a Scheduled Poison S6 and must be stored, maintained and used in accordance with the relevant regulations.

## SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Exposure Limits

National Occupational Exposure Limits, as published by National Occupational Health & Safety Commission:

**Time-weighted Average (TWA):** None established for specific product.

See **SECTION 3** for Exposure Limits of individual ingredients.

**Short Term Exposure Limit (STEL):** None established for specific product.

See **SECTION 3** for Exposure Limits of individual ingredients.

### Biological Limit Value

None established for product.

### Engineering Controls

Use in a well-ventilated area or local exhaust/ventilation maybe required for safe working, i.e. to keep exposures below required standards, otherwise PPE is required. Spraying to be carried out in conditions conforming to local state regulations. Unprotected personnel must vacate the spraying area. If inhalation risk of overexposure exists, wear SAA approved organic-vapour respirator. Correct respirator fit is essential to obtain adequate protection. In confined spaces where there is inadequate ventilation, wear full-face air supplied breathing apparatus. Provide adequate ventilation in warehouse or closed storage areas.

### Personal Protective Equipment

**This product is classified as hazardous according to the criteria of Worksafe Australia predominantly because of its flammable and harmful nature.**

Use good occupational work practice. The use of protective clothing and equipment depends upon the degree and nature of exposure. Final choice of appropriate protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. The following protective equipment should be available;



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**Eye Protection**

The use of safety glasses with side shield protection, goggles or face shield is recommended to handle in quantity, cleaning up spills, decanting, etc. Contact lenses pose a special hazard; soft lenses may absorb irritants and all lenses concentrate them.

**Skin Protection**

Overalls, apron, work boots and elbow length gloves are recommended for handling the concentrated product (as per AS/NZS 2161, or as recommended by supplier) to handle in quantity, cleaning up spills, decanting, etc.

**Protective Material Types**

Material suitable for detergent contact – Butyl rubber, Natural Latex, Neoprene, PVC, and Nitrile.

**Respirator**

Not required for normal small scale operations with good ventilation. If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used suitable for protecting against airborne contaminants. Final choice of appropriate breathing protection is dependent upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices. If the exposure limit is exceeded briefly, a full facepiece respirator with an organic vapour cartridge may be worn. For short elevated exposures, eg, spillages:- Appropriate organic vapour cartridge respirator as per the requirements of AS/NZS 1715 and AS/NZS 1716 (Respiratory protective devices). For emergencies or instances where the exposure levels are not known, use a full-face piece positive-pressure, air-supplied respirator. Exposure Limit by more than ten times, air supplied apparatus should be used).

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State</b>	Non-viscous liquid	<b>Colour</b>	Colourless/straw
<b>Odour</b>	Camphor like odour	<b>Specific Gravity</b>	0.921 – 0.923 @ 25 °C
<b>Boiling Point</b>	174 - 177 °C	<b>Freezing Point</b>	Not available.
<b>Vapour Pressure</b>	Not available	<b>Vapour Density</b>	Not available.
<b>Flash Point</b>	48 °C	<b>Flammable Limits</b>	Not available.
<b>Water Solubility</b>	Not Miscible	<b>pH</b>	Not applicable
<b>Volatile Organic Compounds (VOC)</b>	Not available	<b>Coefficient of Water/Oil Distribution</b>	Not available.
<b>Viscosity</b>	As water	<b>Odour Threshold</b>	Not available.
<b>Evaporation Rate</b>	Not available.	<b>Per Cent Volatile</b>	Ca 100 % v/v.

**SECTION 10 – STABILITY AND REACTIVITY**

<b>Chemical Stability</b>	Stable at normal temperatures and pressure.
<b>Conditions to Avoid</b>	Extremes of temperature and direct sunlight. Avoid heat, sparks, open flames and other ignition sources.
<b>Incompatible Materials</b>	Strong oxidising agents.
<b>Hazardous Decomposition Products</b>	Product can decompose on combustion to form Carbon Monoxide, Carbon Dioxide, and other possibly toxic gases and vapours.
<b>Hazardous Reactions</b>	None known.



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## SECTION 11 – TOXICOLOGICAL INFORMATION

### POTENTIAL HEALTH EFFECTS

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

#### Ingestion

**short term exposure** Harmful if swallowed. If swallowed can cause acute toxicity, could cause nausea, vomiting, or adverse respiratory problems.

**long term exposure** May cause irritation. SYMPTOMS: Epigastric burning, nausea, vomiting, vertigo, ataxia, muscle weakness, stupor, pallor, sometimes cyanosis, miosis, respiratory stridor (edema), occasionally convulsions and delirium. Rarely delayed symptoms.

#### Skin contact

**short term exposure** Generally not an irritant, except to skin that may be sensitive to product.

**long term exposure** No information available.

#### Eye contact

**short term exposure** The liquid may produce eye discomfort and is capable of causing temporary impairment of vision and/or transient eye inflammation, ulceration. The vapour is discomforting to the eyes if exposure is prolonged.

**long term exposure** No information available.

#### Inhalation

**short term exposure** Generally harmless but may cause respiratory problems.

**long term exposure** No information available.

#### Carcinogen Status

**NOHSC** No significant ingredient is classified as carcinogenic by NOHSC.

**NTP** No significant ingredient is classified as carcinogenic by NTP.

**IARC** No significant ingredient is classified as carcinogenic by IARC.

**Medical conditions aggravated by exposure** No information available.

### PRODUCT MIXTURE INFORMATION

**Local Effects** May be harmful: eye, skin, inhalation and ingestion.

**Target Organs** Eyes, mucous membranes, skin, lungs, central nervous system.

### CLASSIFICATION OF INDIVIDUAL INGREDIENTS

Ingredients	R-Phrases.
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Eucalyptus oil	R10
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#### Individual Ingredient Information

**NOTE :** This information relates to each individual ingredient, when evaluated as pure undiluted chemical. See SECTION 3 for actual proportions of ingredients present in this product.

#### 100% EUCALYPTUS OIL

**Irritation Data** Generally not an irritant, except to skin that may be sensitive to product. EYE (rabbit) 20mg/24Hr: Irritating. SKIN (rabbit) 500/24Hr: Mildly irritating.

**Toxicity Data** Oral (rat) LD50: 2480 mg/kg.

**Local Effects** Eye, skin and mucous membrane irritation

**Target Organs** Eye, skin and mucous membranes

**Mutagenic Data** No information.

**Reproductive Effects** No information.

## SECTION 12 – ECOLOGICAL INFORMATION

**Fish toxicity** None available.

**Algae toxicity** None available.

**Invertebrates toxicity** None available.

**Toxicity to Bacteria** None available.



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### OECD Biological degradation General

None available.

Product miscible in all proportions with water. AS WITH ANY CHEMICAL PRODUCT, DO NOT DISCHARGE BULK QUANTITIES INTO DRAINS, WATERWAYS, SEWER OR ENVIRONMENT. Inform local authorities if this occurs.

## SECTION 13 – DISPOSAL CONSIDERATIONS

Refer to State Land Waste Management Authority. Transfer product residues to a labelled, sealed container for disposal or recovery. Waste disposal must be by an accredited contractor. Do not put down the drain.

## SECTION 14 – TRANSPORT INFORMATION

<b>UN Number</b>	1993	<b>ADG Classification</b>	Class 3
<b>Shipping Name</b>	FLAMMABLE LIQUID, N.O.S.	<b>ADG Subsidiary Risk</b>	None allocated
<b>Hazchem Code</b>	3Y	<b>Packing Group</b>	III
<b>Packaging Method</b>	3.8.3 RT1	<b>Special Provisions</b>	SP109, SP129, SP274
<b>Segregation</b>	Class 3 – Flammable liquid shall not be loaded in the same vehicle or packed in the same freight container with: <ul style="list-style-type: none"><li>➤ Class 1, Explosives</li><li>➤ Class 2.1, Flammable Gases, if both the Class 3 and Class 2.1 dangerous goods are in bulk</li><li>➤ Class 2.3, Toxic Gases</li><li>➤ Class 4.2 Spontaneously Combustible Substances</li><li>➤ Class 5.1 Oxidising Agents and Class 5.2, Organic Peroxides</li><li>➤ Class 6 Toxic Substances (where the flammable liquid is nitromethane)</li><li>➤ Class 7 Radioactive Substances.</li><li>➤ Foodstuff and foodstuff empties</li></ul>		

## SECTION 15 – REGULATORY INFORMATION

### Labeling Details

<b>HAZARD</b>	Xn - Harmful
<b>RISK PHRASES</b>	R10 - Flammable
<b>SAFETY PHRASES</b>	S(1/2) – Keep locked up and out of reach of children. S16 - Keep away from sources of ignition.
<b>SUSMP</b>	S6 (EUCALYPTUS OIL) Signal word: <b>POISON</b> Cautionary Statement/s: <b>KEEP OUT OF REACH OF CHILDREN NOT TO BE TAKEN READ SAFETY DIRECTIONS</b> <b>First Aid:</b> (A) - For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor (at once). (G1) -Urgent hospital treatment is likely to be needed. (G3) -If swallowed, DO NOT induce vomiting.
<b>ADG Code</b>	Class 3 Flammable
<b>AICS</b>	All ingredients present on AICS.



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## **SECTION 16 – OTHER INFORMATION**

### **Acronyms**

**SUSMP** Standard for the Uniform Scheduling of Medicines and Poisons.  
**ADG Code** Australian Code for the Transport of Dangerous Goods by Road and Rail.  
**CAS Number** Chemical Abstracts Service Registry Number.  
**UN Number** United Nations Number.  
**R-Phrases** Risk Phrases.  
**HAZCHEM** An emergency action code of numbers and letters which gives information to emergency services.

**NOHSC** National Occupational Health and Safety Commission.

**NTP** National Toxicology Program (USA).

**IARC** International Agency for Research on Cancer.

**AICS** Australian Inventory of Chemical Substances.

**TWA** Time Weighted Average

**STEL** Short Term Exposure Limit

**Literature** List of Designated Hazardous Substances [NOHSC:10005(1999)]

### **References**

Australian Code For The Transport Of Dangerous Goods By Road And Rail – Seventh Edition.

Standard for the Uniform Scheduling of Medicines and Poisons 2011.

National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC:2011(2003)]

Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(1999)]

Material Safety Data Sheets – individual raw materials – Suppliers.

HSIS – Hazardous Substance Information System – National Worksafe Data Base.

**Revision Information** New Issue to standard :2nd Edition [NOHSC:2011(2003)].

**Note** Safety Data Sheets are updated frequently. Please ensure that you have a current copy.

**Contact Point** Regulatory Affairs Manager. **Telephone** (07) 3204 8300

**Issue Date** DECEMBER 2012 **Supersedes Issue Date** 2007

This SDS summarizes at the date of issue our best knowledge of the health and safety hazard information of this product, and in particular how to safely handle and use this product in the workplace. Since the supplier cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS in the context of how the user intends to 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 supplier.