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Disclaimer:

CHESSER CHEMICALS Pty Ltd provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

Product: EUCALYPTUS OIL 85%

HAZARDOUS according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals

SIGNAL WORD: DANGER



 Emergency Response No: **CHEMWATCH** 1800 951 288

RECOMMENDED PPE



Health hazards

- | | |
|------|---|
| H226 | Flammable liquid and vapour |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |
| H411 | Toxic to aquatic life with long lasting effects |

1 IDENTIFICATION

IDENTIFICATION

Product Code: ESN
Product Name: EUCALYPTUS OIL 85%
Other Names: Not applicable
Product Use: Solvent cleaner
Restrictions on use: Use according to Directions; avoid naked flames; use in well ventilated area.

COMPANY DETAILS

Company: CHESSER CHEMICALS Pty Ltd
ABN Number: 67 008 262 039
Address: 124 Days Road
FERRYDEN PARK SA 5010
Telephone Number: (08) 8406 0000
Facsimile Number: (08) 8406 0099
Emergency Telephone Number: CHEMWATCH 1800 951 288

Other Information: This information summarises our best knowledge on the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

2 HAZARD IDENTIFICATION

HAZARDOUS according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals

Classification of the substance or mixture:

Flammability - Category 3 Liquid
Aspiration hazard - Category 1
Skin corrosion/irritation - Category 2
Skin Sensitisation - Category 1

SIGNALWORD:

DANGER



Flame



Exclamation mark



Health Hazard

ENVIRONMENTAL HAZARD



Hazard Statements

Physical hazards

H226 Flammable liquid and vapour.

Health hazards

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

Environmental hazards

H401 Toxic to aquatic life with long lasting effects

Precautionary statements

General precautionary statements

P102 Keep out of reach of children

Prevention precautionary statements

P210 Keep away from heat / sparks / open flames / hot surfaces. No smoking.

P233 Keep container tightly closed.

P240 Ground / bond container and receiving equipment.



P241	Use explosion-proof electrical / ventilating / lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing mist / vapours / spray.
P264	Wash hands thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves / protective clothing / eye protection / face protection.

Response precautionary statements

P301+P310	IF SWALLOWED: immediately call a POISON CENTER or doctor/physician.
P331	Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P321	Specific treatment (see First Aid Measures on Safety Data Sheet).
P362+P364	Take off contaminated clothing and wash it before reuse.
P370+P378	In case of fire: Use normal foam, dry agent (carbon dioxide, dry chemical powder) to extinguish.
P391	Collect spillage.

Storage precautionary statements

P405	Store locked up.
P403+P235	Store in a well-ventilated place. Keep cool.

Disposal precautionary statements

P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
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Poisons Schedule (SUSMP): S6 Poison.

3 COMPOSITION**Ingredients**

Chemical Entity	CAS Number	Proportion	Risk Phrases
Eucalyptus Oil	[8000-48-4]	100%	H227 H303 H313 H315 H317 H319 H401 H411
Contains:	1,8-Cineole	[470-82-6]	60-90%
	Terpene Hydrocarbons		10-30%
	Other components		10%

4 FIRST AID MEASURES

Description of necessary measures according to routes of exposure

Swallowed:	Wash out mouth thoroughly with water and give plenty of water to drink. Obtain medical attention.
Eye:	Irrigate thoroughly with water for at least 10 minutes. If discomfort persists obtain medical attention.
Skin:	Wash off skin thoroughly with water. Remove contaminated clothing and wash before re-use. In severe cases, obtain medical attention
Inhaled:	Remove victim from exposure to fresh air. If not breathing, apply artificial respiration. If breathing is difficult, give oxygen. In severe cases obtain medical attention.

Medical Conditions Aggravated by Exposure

No information available on medical conditions aggravated by exposure to this product.

Advice to Doctor Treat symptomatically based on judgement of doctor and individual reactions of patient.

5 FIRE FIGHTING MEASURES

Flammability Conditions	Product is a flammable liquid.
Extinguishing Media	In case of fire, appropriate extinguishing media include foam, dry powder, carbon dioxide or vaporising liquids. Use water fog to cool intact containers and nearby storage areas.



Hazardous Products of Combustion Flammable liquid. Incompatible with Strong oxidising agents, acids and sources of ignition. Hazardous decomposition products may include toxic hydrocarbons, Carbon monoxide and carbon dioxide if burning.

Personal Protective Equipment Fire fighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots and gloves) or chemical splash suit. Clear fire area of all non-emergency personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources. Move fire exposed containers from fire area if it can be done without risk. Do NOT allow fire fighting water to reach waterways, drains or sewers. Store fire fighting water for treatment.

Flash Point: 43 - 56 °C Closed Cup

Lower Explosion Limit: No Data Available

Upper Explosion Limit: No Data Available

Auto Ignition Temperature: No Data Available

Hazchem code 3Y

6 ACCIDENTAL RELEASE MEASURES

General Response Procedure Shut off all possible sources of ignition. Personnel involved in the clean up should wear full protective clothing as listed in section 8. Avoid accidents, clean up immediately. Evacuate all unnecessary personnel. Increase ventilation. Avoid walking through spilled product as it is slippery when spilt. Stop leak if safe to do so. Do NOT let product reach drains or waterways. If product does enter a waterway, advise the Environmental Protection Authority or your local Waste Management. Use clean, non-sparking tools and equipment.

Clean Up Procedures Soak up spilled product using absorbent non-combustible material such as sand or soil. Avoid using sawdust or cellulose. When saturated collect material, transfer to suitable, labelled, dry chemical-waste containers and dispose of promptly. Ventilate area and wash spill site after material pickup is complete.

7 HANDLING AND STORAGE

Handling Ensure an eye bath and safety shower are available and ready for use. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling. Take precautionary measures against static discharges by bonding and grounding equipment. Avoid contact with eyes, skin and clothing. Do not inhale product vapours. Avoid prolonged or repeated exposure. Remove contaminated clothing and wash before reuse. Smoking should not be permitted in work areas. Provide adequate ventilation.

Storage Store in a cool, dry, well-ventilated, fire-proof area. Keep containers tightly sealed when not in use. Inspect regularly for deficiencies such as damage or leaks. Protect against physical damage. Ground and bond storage containers. Store away from incompatible materials as listed in section 10. Store away from heat and light sources, and foodstuffs. This material is a Scheduled Poison (S6) and must be stored, maintained and used in accordance with the relevant regulations. This product has a UN Classification of 1993 and a Dangerous Goods Class 3 (flammable) according to The Australian Code for the Transport of Dangerous Goods By Road and Rail.

Container Container type/package must comply with all applicable local legislation. Store in original packaging as approved by manufacturer.

8 EXPOSURE CONTROL / PERSONAL PROTECTION

General No exposure standard has been established for this product by The Australian Safety and Compensation Council (ASCC).

Exposure Limits No Data Available

Biological Limits No information available on biological limit values for this product.

Engineering Measures A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. In poorly ventilated areas, mechanical explosion-proof extraction ventilation is recommended.

Personal Protection Equipment





SAFETY DATA SHEET

RESPIRATOR: Wear a respirator with suitable Type 'A' filter for organic gases and vapours if engineering controls are inadequate (AS1715/1716).

EYES: Chemical goggles to prevent splashing in the eyes (AS1336/1337).

HANDS: PVC or rubber gloves (AS2161).

CLOTHING: Chemical-resistant coveralls and safety footwear. In laboratory situation, wear a laboratory coat (AS3765/2210).



Work Hygienic Practices No Data Available

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	Liquid
Odour	Fresh, Camphor-Like
Colour	Colourless to Pale Yellow
pH	No Data Available
Vapour Pressure	No Data Available
Relative Vapour Density	No Data Available
Boiling/Melting Point	174 - 176 °C
Solubility	Practically insol.
Freezing Point	1.5 °C
Specific Gravity	0.8850 - 0.9280 (20°C)
Flash Point	43 - 56 °C Closed Cup
Auto Ignition Temp	No Data Available
Evaporation Rate	No Data Available
Bulk Density	No Data Available
Corrosion Rate	No Data Available
Decomposition Temperature	No Data Available
Density	No Data Available
Specific Heat	No Data Available
Molecular Weight	No Data Available
Net Propellant Weight	No Data Available
Octanol Water Coefficient	No Data Available
Particle Size	No Data Available
Partition Coefficient	No Data Available
Saturated Vapour Concentration	No Data Available
Vapour Temperature	No Data Available
Viscosity	No Data Available
Volatile Percent	100%
VOC Volume	No Data Available
Additional Characteristics	No Data Available
Potential for Dust Explosion	Product is a liquid.
Fast or Intensely Burning Characteristics	No Data Available
Flame Propagation or Burning Rate of Solid Materials	No Data Available
Non-Flammables That Could Contribute Unusual Hazards to a Fire	No Data Available
Properties That May Initiate or Contribute to Fire Intensity	No Data Available
Reactions That Release Gases or Vapours	No Data Available
Release of Invisible Flammable Vapours and Gases	No Data Available

10 STABILITY AND REACTIVITY

Chemical Stability	Product is stable under normal conditions of use, storage and temperature. Flammable Liquid.
Conditions to Avoid	Avoid Heat, light, open flames and other sources of ignition.
Materials to Avoid	Incompatible with Strong oxidising agents, acids and sources of ignition. Protect from air.
Hazardous Decomposition Products	Hazardous decomposition products may include toxic hydrocarbons, carbon monoxide and carbon dioxide if burning.
Hazardous Polymerisation	Hazardous polymerization will not occur.

11 TOXICOLOGICAL INFORMATION

General Information:	Oral LD ₅₀ Rat: 2.48g/Kg Subcutaneous LD ₅₀ Mouse: 50mg/Kg Intramuscular LDLo G-pig: 2250mg/Kg Subcutaneous LDLo Dog: 1500mg/Kg
Eye Irritant	Irritating to eyes.
Ingestion	Harmful : may cause lung damage if swallowed. Harmful if ingested in quantity, causing internal irritation, nausea and vomiting, dizziness and muscular weakness, rapid pulse and difficulty in breathing. In severe cases delirium and convulsions may occur.
Inhalation	Potential irritant. Over-exposure at high levels may result in mucous membrane irritation of the nose and throat with coughing.
Skin Irritant	Irritating to skin. May cause sensitization by skin contact.
Carcinogen Category	0

12 ECOLOGICAL INFORMATION

Ecotoxicity	No ecological information available for this product.
Persistence/Degradability	No information available on persistence/degradability for this product.
Mobility	No information available on mobility for this product. Practically insoluble.
Environmental Fate	Do NOT allow product to enter waterways, drains and sewers.
Bioaccumulation Potential	No information available on bioaccumulation for this product.
Environmental Impact	No Data Available.

13 DISPOSAL CONSIDERATIONS

General Information	Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility.
Special Precautions for Land Fill	Contact a specialist disposal company or the local waste regulator for advice.

14 TRANSPORT INFORMATION

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; DANGEROUS GOODS.

UN No:	1993
Transport Hazard Class:	3 FLAMMABLE
Packing Group:	III
Proper Shipping Name:	FLAMMABLE LIQUID N.O.S.
Hazchem or Emergency Action Code:	●3Y



Marine Transport

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

UN No:	1993
Transport Hazard Class:	3 FLAMMABLE
Packing Group:	III
Proper Shipping Name or Technical Name:	FLAMMABLE LIQUID N.O.S.
IMDG EMS Fire:	F-E
IMDG EMS Spill:	S-E



Air Transport

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

UN No:	1993
Transport Hazard Class:	3 FLAMMABLE
Packing Group:	III
Proper Shipping Name or Technical Name:	FLAMMABLE LIQUID N.O.S.



15 REGULATORY INFORMATION

Poisons Schedule S6
EPG 3C1
AICS Name Oils Eucalyptus

Classification:

This material is hazardous according to Safe Work Australia; HAZARDOUS SUBSTANCE.
Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; DANGEROUS GOODS.

Classification of the substance or mixture:

Flammability - Category 3 Liquid
Aspiration hazard - Category 1
Skin Irritant - Category 2
Skin Sensitisation - Category 1

Hazard Statements

Physical hazards

H226 Flammable liquid and vapour.

Health hazards

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

Environmental hazards

H401 Toxic to aquatic life with long lasting effects

16 OTHER INFORMATION

Literature References No data available.

Sources for Data No data available.

Legend to Abbreviations and Acronyms

< less than
> greater than
AICS Australian Inventory of Chemical Substances
CAS Chemical Abstracts Service (Registry Number)
cm² square centimetres
CO₂ Carbon Dioxide
COD Chemical Oxygen Demand
deg C (°C) degrees Celsius
ERMA Environmental Risk Management Authority
G gram
g/cm³ grams per cubic centimetre
g/l grams per litre

LD50 LD stands for Lethal Dose. LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals

Ltr Litre
m³ cubic metre
mbar millibar
mg milligram
mg/24H milligrams per 24 hours
mg/kg milligrams per kilogram
mg/m³ milligrams per cubic metre
Misc miscible
Miscible liquids form one homogeneous liquid phase regardless of the amount of either component present

mm millimetre
mPa.s milli Pascal per second

HSNO Hazardous Substance and New Organism
IDLH Immediately Dangerous to Life and Health

Immiscible liquids are insoluble in each other
Kg kilogram
kg/m³ kilograms per cubic metre
LC50 LC stands for lethal concentration. LC50 is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.

N/A Not Applicable
NOHSC National Occupational Health and Safety Commission
OECD Organization for Economic Co-operation and Development
PEL Permissible Exposure Limit
ppb parts per billion
ppm parts per million
ppm/2h parts per million per 2 hours
ppm/6h parts per million per 6 hours
RCP Reciprocal Calculation Procedure
STEL Short Term Exposure Limit
TLV Threshold Limit Value
tne tonne
TWA Time Weighted Average
ug/24H micrograms per 24 hours
UN United Nations (number)
Wt weight



CHESSERCHEMICALS

SAFETY DATA SHEET

Page 8 of 8
Product: **EUCALYPTUS OIL 85%**
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Update CHEMWATCH Phone Number



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