

SAFETY DATA SHEET

Hand Sanitiser (Ethyl Alcohol 80% v/v)

1. IDENTIFICATION OF SUBSTANCE/MIXTURE AND THE COMPANY/ UNDERTAKING

Product Name: Essential Oils of Tasmania - Hand Sanitiser

Variants/Pack Sizes: Tasmanian Peppermint and Eucalyptus Oil – 100ml, 1 Litre, 5 Litre, 20 Litre
Tasmanian Lavender and Flinders Island Rosalina – 100ml, 1 Litre, 5 Litre, 20 Litre

Synonyms/Generic Names: Ethanol, grain alcohol, EtOH

Product Use: Cosmetic

Manufacturer:

Essential Oils of Tasmania Pty Ltd
1520 Channel Highway, Margate, Tasmania, 7054, Australia

For further Information please contact:

E-mail address/s info@eotasmania.com.au

In Case of Emergency Call:

Office: +613 6229 4222

Or contact relevant emergency number or POISON CENTRE.

2. HAZARD IDENTIFICATION

OSHA Hazards: Flammable liquid, Target organ effect, Irritant

Target Organs: Nerves, Liver, Heart

Signal Words: Danger

Pictograms:



GHS Classification:	Flammable liquids	Category 2
	Skin irritation	Category 2
	Eye irritation	Category 2B
	Specific target organ toxicity-single exposure	Category 3

GHS Label Elements, including precautionary statements:

Hazard Statements: H225 Highly flammable liquid and vapor
H315+H320 Causes skin and eye irritation
H401 Toxic to aquatic life

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
P264	Wash skin thoroughly after handling
P273	Avoid release to the environment
P280	Wear protective glove/protective clothing/face protection/eye protection
P303, P361, P353	IF ON SKIN (or hair): remove/take off immediately all contaminated clothing Rinse skin with water/shower
P305, P351, P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P332, P313	If skin irritation occurs: Get medical advice/attention
P337, P313	If eye irritation persists: Get medical advice/attention
P362	Take off contaminated clothing and wash before reuse
P370, P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction
P403, P235	Store in a well ventilated place. Keep cool
P501	Dispose of contents/container to an approved waste disposal plant

Potential health effects: Eyes Causes eye irritation
Inhalation May be harmful if inhaled. Causes respiratory tract irritation
Skin May be harmful if absorbed through skin. Causes skin irritation
Ingestion May be harmful if swallowed

NFPA Ratings

Health	2
Flammability	3
Reactivity	0
Specific Hazard	Not Available

HMIS Ratings

Health	2
Fire	3
Reactivity	0
Personal	H

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight %	Cas #	EINECS# / ELINCS#	Formula	Molecular Weight
Ethyl Alcohol	73.5	64-17-5	200-578-6	C_2H_5OH	46.07 g/mol
Water	Balance	7732-18-5	231-791-2	H_2O	18.00 g/mol

4. FIRST AID MEASURES

Eyes:	In case of eye contact, rinse with plenty of water and seek medical attention if necessary.
Inhalation:	Move casualty to fresh air and keep at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention if necessary.
Skin contact:	Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and wash using soap. Get medical attention if necessary.
Ingestion:	Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. If conscious, wash out mouth with water. Get medical attention if necessary.

5. FIRE FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media	Flammable liquid. Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material. Cool unopened containers with water.
Special protective equipment and precautions for firefighters	Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots. Material can react violently with water (spattering and misting) and react with metals to produce flammable hydrogen gas.
Specific hazards arising from the chemical	Emits toxic fumes (carbon oxides) under fire conditions. Vapours can travel to a source of ignition and flash back. Containers may explode in a fire. Cool containers from a distance using water spray. SENSITIVE TO STATIC DISCHARGE. (See also Stability and Reactivity section)

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	See section 8 for recommendations on the use of personal protective equipment
Environmental precautions	Prevent spillage from entering drains. Any release to the environment may be subject to federal/national or local reporting requirements.
Methods and materials for containment and cleaning up	Absorb spill with vermiculite or other non-combustible absorbent material, then place in a suitable container for disposal. Clean surfaces thoroughly with water to remove residual contamination. Dispose of all waste and clean up materials in accordance with regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Use with adequate ventilation and grounding. Wash thoroughly after using. Keep container closed when not in use. Keep away from sources of ignition. No smoking. Take measure to prevent the buildup of electrostatic charge.

Conditions for safe storage, including any incompatibilities

Store in tightly closed, original containers in a cool, dry, well ventilated area. Store less than 35 degrees Celsius for product stability. Do not store with strong oxidizing agents, strong acids, peroxides, aldehydes, halogens, ammonia, acid anhydrides or alkali metals.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure controls: Ventilation and appropriate grounding of containers.

Component	Exposure Limits	Basis	Entity
Ethyl Alcohol	100 PPM 1900 mg/m ³	REL	NIOSH
	1000 ppm 1900 mg/m ³	PEL	OSHA
	1000 ppm 1880 mg/m ³	STEL	ACGIH
	3300 ppm	IDLH	OSHA

TWA: Time Weighted Average over 8 hours of work.

TLV: Threshold Limit Value over 8 hours of work.

REL: Recommended Exposure Limit.

PEL: Permissible Exposure Limit.

STEL: Short Term Exposure Limit during x minutes.

IDLH: Immediately dangerous to Life or Health.

WEEL: Workplace Environmental Exposure Levels.

CEIL: Ceiling.

Personal Protection

Eyes	Wear chemical safety glasses or goggles.
Inhalation	Provide local exhaust, preferably mechanical. If exposure levels are excessive, use an approved respirator.
Skin	Wear nitrile or rubber gloves, apron or lab coat, rubber boots.
Other	Not Available.

Other Recommendations

Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance (physical state, colour, etc.)	Clear, Colourless liquid
Odour	Mild Alcohol
Odour threshold	Not Available
pH	Not Available
Melting point/freezing point	-144 °C (-227.2 °F)
Initial boiling point and boiling range	78 °C (172.4 °F) to 80 °C (174 °F)
Flash point	14 °C (57.2 °F)
Evaporation rate	Not Available
Flammability (solid, gas)	Flammable liquid
Upper/lower flammability or explosive limit	3.3-19%
Vapour pressure	(@ 20 °C) 44.6 mmHg
Vapour density	(air=1) 1.6
Relative density	Not Available
Solubility	Completely soluble in water
Partition coefficient: n-octanol/water	Not Available
Auto-ignition temperature	363 °C (685.4 °F)
Decomposition temperature	Not Available

10. STABILITY & REACTIVITY

Chemical Stability	Stable
Possibility of Hazardous Reactions	Will not occur
Conditions to Avoid	Keep away from heat, flame and sparks
Incompatible Materials	Alkali metals, ammonia, oxidising agents, peroxides
Hazardous Decomposition Products	Carbon oxides

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Skin	Not Available
Eyes	Not Available
Respiratory	LC50 Inhalation – rat – 10 h – 20000 ppm
Ingestion	LD50 Oral – rat – 7,060 mg/kg Remarks: Lungs, Thorax, or Respiration: Other changes

Carcinogenicity

IARC	No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC
ACGIH	A3: Confirmed animal carcinogen with unknown relevance to humans. (Ethyl Alcohol)
NTP	No components of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP
OSHA	No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA

Signs & Symptoms of Exposure

Skin	Irritation, redness, itchiness
Eyes	Irritation, redness, watering eyes, itchiness
Respiratory	Irritation, coughing, wheezing, dizziness, drowsiness
Ingestion	Irritation, nausea, vomiting, diarrhoea, dizziness, drowsiness

Chronic Toxicity	Ingestion may cause blindness
Teratogenicity	Not Available
Mutagenicity	Not Available
Embryotoxicity	Pre-and Post-implant mortality
Specific Target Organ Toxicity	Not Available

12. ECOLOGICAL INFORMATION

Ecotoxicity

Aquatic Vertebrate	LC ₅₀ (96 hours): 13,000 mg/L Oncorhynchus mykiss (Rainbow Trout)
Aquatic Invertebrate	Not Available
Tessestrial	Not Available

Persistence and Degradability	Not Available
Bioaccumulative Potential	Will not accumulate
Mobility in Soil	Not Available
PBT and vPvB Assessment	Not Available
Other Adverse Effects	Not Available

13. DISPOSAL CONSIDERATIONS

Waste Residues	Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product or residues.
Product Containers	Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container.

The information offered in section 13 is for the product as shipped. Use and /or alterations to the product may significantly change the characteristics of the material and alter the waste classification and proper disposal methods.

14. TRANSPORT INFORMATION

US DOT	UN1170, Ethanol solution, 3, pg II
TDG	UN1170, ETHANOL SOLUTION, 3, pg II
IMDG	UN1170, ETHANOL SOLUTION, 3, pg II
Marine Pollutant	No
IATA/ICAO	UN1170, Ethanol Solution, 3, pg II

15. REGULATORY INFORMATION

TSCA Inventory Status	All ingredients are listed on the TSCA inventory
DSCL (EEC)	All ingredients are listed on the DSCL inventory
California Proposition 65	Listed: Ethyl Alcohol (in alcoholic beverages)
SARA 302	Not Listed
SARA 304	Not Listed
SARA 311	Ethyl Alcohol
SARA 312	Ethyl Alcohol
SARA 313	Listed: Ethyl Alcohol
WHMIS Canada	Class B-2: Flammable liquid with a flash point lower than 37.8 °C (100 °F)

16. OTHER INFORMATION

This MSDS complies with the requirements of Regulation (EC) No. 1907/2006.

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet