



MATERIAL SAFETY DATA SHEET

According to WHS Regulations

Updated: 1st January 2020

PRODUCT IS NOT CLASSIFIED AS DANGEROUS GOODS

1. IDENTIFICATION:

Product Name: ENVIRONMENTAL AIR SOLUTIONS (LIQUID)

Other Means of Identification: Mixture

Recommended Use of the Chemical and Restriction on Use: Indoor Air Purifying Product. This product is NOT intended for topical use or human consumption. Use only as directed.

Details of Manufacturer or Importer:

Jonsen Investments Pty Ltd
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2. HAZARDS IDENTIFICATION

Hazardous Nature:

- Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.
- Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)
- The product is not classified, according to the Globally Harmonised System (GHS).

Signal Word: None

Hazard Statements: None



Precautionary Statements: None

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:

CAS: 68647-73-4	Pure Australian Tea Tree Oil	<15%
	 Flammable Liquids 3, H226;  Acute Toxicity (Oral) 4, H302; Skin Corrosion/Irritation 2, H315; Serious Eye Damage/Irritation 2A, H319; STOT SE 3, H335.	

Additional Information: This product contain pure, unaltered tea tree oil and water. No hazards are expected under normal conditions of use.

4. FIRST AID MEASURES

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

Skin Contact: In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

Eye Contact: In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

Ingestion: If swallowed, do not induce vomiting. Give plenty of water or milk to drink. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

Symptoms Caused by Exposure:

- Inhalation: Vapour is not generally considered an irritant to upper respiratory tract;
 - Skin Contact: May cause skin irritation in some people;
 - Eye Contact: May cause eye irritation;
 - Ingestion: May be harmful is swallowed.
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5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

For small (incipient) fires, use media such as alcohol foam, dry chemical, or carbon dioxide.

For large fires use very large quantities (flooding) of water applied as a mist or spray.

Full water jet may be ineffective.

Specific Hazards Arising from the Chemical:

Hazardous combustion products include oxides of carbon.

This product is not flammable, but may burn or decompose in a fire.

Containers close to fire should be removed (if safe to do so). Use water spray to cool fire exposed containers.

Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire, wear self-contained breathing apparatus and protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Wear protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

Environmental Precautions: In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up: Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal. After clean-up wash area thoroughly with water.

7. HANDLING AND STORAGE

Precautions for Safe Handling:

Open slowly to release any internal pressure.

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours.

This product is NOT intended for topical use or human consumption. Use only as directed. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry and well-ventilated area. Keep containers tightly closed. Remove closures slowly to release any internal pressure. Protect from direct sunlight and heat. Keep away from strong oxidising agents.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards (Safe Work Australia): The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Engineering Controls: Ensure adequate ventilation of the working area.

Respiratory Protection: Respiratory protection is not required under normal use conditions.

Use an approved vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection: PVC or rubber gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information.

When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection: Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Colour:	Colourless
Odour:	Tea tree like odour
Odour Threshold:	No information available
pH-Value:	4.5-5.5
Melting point/Melting range:	No information available
Initial Boiling Point/Boiling Range:	100 °C (water)
Flash Point:	No information available
Flammability:	No information available
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	No information available
Lower:	No information available
Upper:	No information available
Vapour Pressure:	Not determined. No information available
Relative Density at 20 °C:	0.98 g/cm ³

Vapour Density: No information available
Evaporation Rate: No information available
Solubility in Water at 25 °C: Dispersible
Partition Coefficient (n-octanel/water): No information available.
Viscosity: No information available

10. STABILITY AND REACTIVITY

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.
Chemical Stability: Stable at ambient temperature and under normal conditions of use.
Conditions to Avoid: Heat and direct sunlight.
Incompatible Materials: Strong oxidising agents.
Hazardous Decomposition Products: Oxides of carbon.

11. TOXICOLOGICAL INFORMATION

Toxicity:

LD₅₀/LC₅₀ Values Relevant for Classification:		
68647-73-4 Tea tree oil		
Oral	LD ₅₀	1900 mg/kg (rat)
Dermal	LD ₅₀	5000 mg/kg (rabbit)

Acute Health Effects

Inhalation: Vapour is not generally considered and irritant to upper respiratory tract.
Skin: May cause irritation in some people.
Eye: May cause eye irritation.
Ingestion: May be harmful if swallowed.
Skin Corrosion / Irritation: Based on classification principles, the classification criteria are not met.
Serious Eye Damage / Irritation: Based on classification principles, the classification criteria are not met.
Respiratory or Skin Sensitisation: Based on classification principles, the classification criteria are not met.
Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.
Carcinogenicity: This product does NOT contain any IARC listed chemicals.
Reproductive Toxicity: Based on classification principles, the classification criteria are not met.
Specific Target Organ Toxicity (STOT) - Single Exposure: Based on classification principles, the classification criteria are not met.
Specific Target Organ Toxicity (STOT) - Repeated Exposure: Based on classification principles, the classification criteria are not met.
Aspiration Hazard: Based on classification principles, the classification criteria are not met.
Chronic Health Effects: No information available.
Existing Conditions Aggravated by Exposure: No information available.
Additional Toxicological Information: No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity: No adverse ecological effects are expected.
Aquatic toxicity: No further relevant information available.
Persistence and Degradability: No further relevant information available.
Bioaccumulative Potential: No further relevant information available.
Mobility in Soil: No further relevant information available.
Other adverse effects: No further relevant information available.

13. DISPOSAL CONSIDERATIONS

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.

Special Precautions for Landfill or Incineration: Please consult your state Land Waste Management Authority for more information.

14. TRANSPORT INFORMATION

UN Number: Not regulated.

Proper Shipping Name: Not regulated.

Dangerous Goods Class: Not regulated.

Packing Group: Not regulated.

15. REGULATORY INFORMATION

Australian Inventory of Chemical Substances:	
CAS68647-73-4	Pure Australian Tea Tree Oil
Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:	
Not scheduled.	

16. OTHER INFORMATION

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Prepared by: MSDS.COM.AU Pty Ltd www.msds.com.au

Abbreviations and acronyms:

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC₅₀: Lethal concentration, 50 percent

LD₅₀: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants) Flammable Liquids 3:

Flammable liquids – Category 3

Acute Toxicity (Oral) 4: Acute toxicity – Category 4

Skin Corrosion/Irritation 2: Skin corrosion/irritation – Category 2

Serious Eye Damage/Irritation 2A: Serious eye damage/eye irritation – Category 2A STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Disclaimer

This SDS is prepared in accord with the Safe Work Australia document “Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals – February 2016”.

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