

 Safety Data Sheet

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Version: 1.9

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SECTION 1: Identification				
1.1. Identification				
Product form	: Substance			
Product name	: TEA TREE AU	JSTRALIAN		
CAS-No.	: 68647-73-4			
Product code	: 50-6270-01			
I.2. Recommended use and	restrictions on use			
1.3. Supplier				
The Lebermuth Company 4004 Technology Drive South Bend, IN 46628 - United State F 574-259-7000 - F 574-258-7450 nfo@lebermuth.com - www.lebermu				
1.4. Emergency telephone nu	Imber			
Emergency number	: CHEMTREC CCN 13010	- USA: 800-424-9300 Interi	national: +1 703-527-3887 / 1-	800-424-9300
SECTION 2: Hazard(s) iden	tification			
2.1. Classification of the sub				
GHS US classification				
Flammable liquids Category 3 Acute toxicity (oral) Category 4 Skin corrosion/irritation Category 2 Serious eye damage/eye irritation Ca Skin sensitization, category 1B Reproductive toxicity Category 2 Specific target organ toxicity – Single 3, Narcosis Aspiration hazard Category 1	Harmi Cause ategory 2A Cause May c Suspe e exposure, Category May c	nable liquid and vapor ful if swallowed es skin irritation es serious eye irritation ause an allergic skin reaction ected of damaging fertility or t ause drowsiness or dizziness be fatal if swallowed and enter	he unborn child	
			sanways	
2.2. GHS Label elements, inc	luding precautionary statem	ients		
GHS US labeling				
Hazard pictograms (GHS US)	: GHS02	GHS07 GHS08		
Signal word (GHS US)	: Danger			
Hazard statements (GHS US)	Causes skin in May cause ar Causes seriou May cause dr	llowed swallowed and enters airway		
Precautionary statements (GHS US)	Obtain specia Do not handle Keep away fro smoking. Keep containe Ground/Bond Use explosior Use only non-	l instructions before use.	ave been read and understood , open flames and other ignitio oment. Jhting equipment.	
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2.3. Other hazards which do not result in classification

No additional information available

Unknown acute toxicity (GHS US) 2.4.

Not applicable

**SECTION 3: Composition/Information on ingredients** 

3.1. Substances			
Name	Product identifier	%	GHS US classification
TEA TREE OIL	(CAS-No.) 68647-73-4	100	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1B, H317 Repr. 2, H361 STOT SE 3, H336 Asp. Tox. 1, H304

Full text of hazard classes and H-statements : see section 16

#### 3.2. Mixtures

: Call a physician immediately.
: Remove person to fresh air and keep comfortable for breathing.
: Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
: Rinse mouth. Do not induce vomiting. Call a physician immediately.
cts (acute and delayed)
: May cause drowsiness or dizziness.
: Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.

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Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Eye irritation.
Symptoms/effects after ingestion	: Risk of lung edema.
4.3. Immediate medical attention ar	nd special treatment, if necessary
Treat symptomatically.	
SECTION 5: Fire-fighting measu	
5.1. Suitable (and unsuitable) exting	
Suitable extinguishing media Unsuitable extinguishing media	<ul><li>Water spray. Dry powder. Foam. Carbon dioxide.</li><li>Do not use a heavy water stream.</li></ul>
5.2. Specific hazards arising from t	
Fire hazard	: Flammable liquid and vapor.
Explosion hazard	No direct explosion hazard.
Reactivity	: Flammable liquid and vapor.
5.3. Special protective equipment a	nd precautions for fire-fighters
Firefighting instructions	<ul> <li>Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.</li> </ul>
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
SECTION 6: Accidental release r	neasures
	/e equipment and emergency procedures
General measures	: Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material-damage.
6.1.1. For non-emergency personnel	
Protective equipment	: Wear recommended personal protective equipment.
Emergency procedures	: Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.
6.1.2. For emergency responders	
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information
	refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Evacuate unnecessary personnel. Stop leak if safe to do so.
6.2. Environmental precautions	
Avoid release to the environment.	
6.3. Methods and material for conta	inment and cleaning up
For containment	: Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak, if possible without risk.
Methods for cleaning up	: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
Other information	: Dispose of materials or solid residues at an authorized site.
6.4. Reference to other sections	
For further information refer to section 13.	
SECTION 7: Handling and stored	
SECTION 7: Handling and storage	
7.1. Precautions for safe handling	. Not expected to present a significant beyond under entisinated conditions of nemerican
Additional hazards when processed Precautions for safe handling	<ul> <li>Not expected to present a significant hazard under anticipated conditions of normal use.</li> <li>Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No</li> </ul>
	. The away from the at the surfaces, sharks, open fathes and other fullition sources. No

Auditional hazarus when processed	. Not expected to present a significant nazard under anticipated conditions of n	onnai use.
Precautions for safe handling	: Keep away from heat, hot surfaces, sparks, open flames and other ignition so smoking. Ground/bond container and receiving equipment. Use only non-spa precautionary measures against static discharge. Flammable vapors may acc container. Use explosion-proof equipment. Wear personal protective equipment instructions before use. Do not handle until all safety precautions have been r understood. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.	rking tools. Take sumulate in the ent. Obtain special
Hygiene measures	: Wash contaminated clothing before reuse. Contaminated work clothing shoul out of the workplace. Do not eat, drink or smoke when using this product. Alw after handling the product.	
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7.2. Conditions for safe storage, includ	ling any incompatibilities
Technical measures	: Ground/bond container and receiving equipment.
Storage conditions	: Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.
Packaging materials	: Store always product in container of same material as original container.
SECTION 8: Exposure controls/per	sonal protection
3.1. Control parameters	
TEA TREE OIL (68647-73-4)	
No additional information available	
8.2. Appropriate engineering controls	
Appropriate engineering controls	: Ensure good ventilation of the work station.
Environmental exposure controls	: Avoid release to the environment.
8.3. Individual protection measures/Pe	rsonal protective equipment
Personal protective equipment:	
Wear recommended personal protective equipr	nent.
Hand protection:	
Protective gloves	
Eye protection:	
Safety glasses	
Skin and body protection:	
Wear suitable protective clothing	
Respiratory protection:	
[In case of inadequate ventilation] wear respiratory protection.	
SECTION 9: Physical and chemical	properties
9.1. Information on basic physical and	
Physical state	
Color	
Odor Odor threshold	: POWERFUL FRESH, WARM, SPICY-EARTHY ODOR : No data available
odor inresnoid pH	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 57 °C
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability	Not applicable.

Solubility

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Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
9.2. Other information	
VOC content	: 48.5 %
Refractive index	: 1.478 (1.455 – 1.5)

SECTION 10: Stability and reactivity	
10.1. Reactivity	
Flammable liquid and vapor.	
10.2. Chemical stability	
Stable under normal conditions.	
10.3. Possibility of hazardous reactions	
No dangerous reactions known under normal cor	nditions of use.
10.4. Conditions to avoid	
Avoid contact with hot surfaces. Heat. No flames	, no sparks. Eliminate all sources of ignition.
10.5. Incompatible materials	
No additional information available	
10.6. Hazardous decomposition products	
Under normal conditions of storage and use, haz	ardous decomposition products should not be produced.
<b>SECTION 11: Toxicological informati</b>	ion
11.1. Information on toxicological effects	
Acute toxicity (oral)	: Harmful if swallowed.
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
ATE US (oral)	1900 mg/kg body weight
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: May cause an allergic skin reaction. : Not classified
Germ cell mutagenicity Carcinogenicity	: Not classified
Reproductive toxicity	: Suspected of damaging fertility or the unborn child.
STOT-single exposure	: May cause drowsiness or dizziness.
STOT-repeated exposure	: Not classified
Aspiration hazard	: May be fatal if swallowed and enters airways.
Viscosity, kinematic	: No data available
Symptoms/effects	: May cause drowsiness or dizziness.
Symptoms/effects after inhalation	: Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.
Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Eye irritation.
Symptoms/effects after ingestion	: Risk of lung edema.

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SECT	ON 12: Ecological information	
12.1.	Toxicity	
Ecology	- general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
12.2.	Persistence and degradability	
No addi	tional information available	
12.3.	Bioaccumulative potential	
No addi	tional information available	
12.4.	Mobility in soil	
No addi	tional information available	
12.5.	Other adverse effects	
No addi	tional information available	

<b>SECTION 13: Disposal consideration</b>	IS
13.1. Disposal methods	
Regional waste regulation	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Disposal must be done according to official regulations.
Additional information	: Flammable vapors may accumulate in the container. Do not re-use empty containers.

### **SECTION 14: Transport information**

### **Department of Transportation (DOT)**

In accordance with DOT

Transport document description (DOT)

UN-No.(DOT) Proper Shipping Name (DOT)

Class (DOT) Packing group (DOT) Hazard labels (DOT)

DOT Packaging Non Bulk (49 CFR 173.xxx) DOT Packaging Bulk (49 CFR 173.xxx) DOT Special Provisions (49 CFR 172.102)

- : UN2319 Terpene hydrocarbons, n.o.s. (Tea Tree Oil) Regulated for Bulk only, 3, III
- : UN2319

: Terpene hydrocarbons, n.o.s.

(Tea Tree Oil) - Regulated for Bulk only

- : 3 Class 3 Flammable and combustible liquid 49 CFR 173.120
- : III Minor Danger
- : 3 Flammable liquid



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: B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable.

IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).

T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3)

TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = 97 / 1 + a (tr - tf) Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling. TP29 - A portable tank having a minimum test pressure of 1.5 bar (150.0 kPa) may be used provided the calculated test pressure is 1.5 bar or less based on the MAWP of the hazardous materials, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP.

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DOT Packaging Exceptions (49 CFR 173.xxx)	: 150
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 60 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 220 L
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
Emergency Response Guide (ERG) Number	: 128
Other information	: No supplementary information available.
Transportation of Dangerous Goods	
Transport document description (TDG)	: UN2319 TERPENE HYDROCARBONS, N.O.S. (Tea Tree Oil) - Regulated for Bulk only, 3, II
UN-No. (TDG)	: UN2319
Proper Shipping Name (TDG)	: TERPENE HYDROCARBONS, N.O.S.
TDG Primary Hazard Classes	: 3 - Class 3 - Flammable Liquids
Packing group (TDG)	: III - Minor Danger
Explosive Limit and Limited Quantity Index	: 5L
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index	: 60 L
Transport by sea	
Transport document description (IMDG)	: UN 2319 TERPENE HYDROCARBONS, N.O.S. (Tea Tree Oil), 3, III (32°C c.c.)
UN-No. (IMDG)	: 2319
Proper Shipping Name (IMDG)	: TERPENE HYDROCARBONS, N.O.S.
Class (IMDG)	: 3 - Flammable liquids
Packing group (IMDG)	: III - substances presenting low danger
Limited quantities (IMDG)	: 5L
Air transport	
Transport document description (IATA)	: UN 2319 Terpene hydrocarbons, n.o.s. (Tea Tree Oil), 3, III
UN-No. (IATA)	: 2319
Proper Shipping Name (IATA)	: Terpene hydrocarbons, n.o.s.
Class (IATA)	: 3 - Flammable Liquids
Packing group (IATA)	: III - Low danger

15.1. US Federal regulations

#### TEA TREE OIL (68647-73-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### 15.2. International regulations

#### CANADA

TEA TREE OIL (68647-73-4)

Listed on the Canadian DSL (Domestic Substances List)

#### **EU-Regulations**

No additional information available

#### **National regulations**

No additional information available

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#### 15.3. US State regulations

A WARNING:

This product can expose you to methyl eugenol, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

This product can expose you to beta-myrcene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

### SECTION 16: Other information

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H226	Flammable liquid and vapor
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
H361	Suspected of damaging fertility or the unborn child

SDS US (GHS HazCom 2012) - Lebermuth

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.