


Revision Date: March 21, 2017

Version No.: 2

SECTION 1 – IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

- 1.1 Product Identifier**
Product Name **TEA TREE OIL**
- 1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against**
Identified uses Cosmetic raw material
- 1.3 Details of the Supplier of the Safety Data Sheet**
Company
JEEN International Corporation
24 Madison Road
Fairfield, New Jersey 07004
Tel: +1-973-439-1401
Fax: +1-973-439-1402
email: info@jeen.com
Website: www.jeen.com
- 1.4 Emergency telephone number** +1703-527-3887(Chemtrec Int'l Tel - Collect calls accepted)

SECTION 2 – HAZARDS INGREDIENTS

- 2.1 Classification of the Substance or Mixture** according to Regulation (EC) 1272/2008
Flammable Liquid
Systemic health hazard
Eye irrit. 2
- 2.2 Label Elements** according to Regulation (EC) EU 1272/2008
Hazard pictogram
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- Signal words Warning
- Hazard statements
H226: Flammable liquid and vapour
H302: Harmful if swallowed
H304: May be fatal if swallowed and enters airways
H315: Causes skin irritation
H317: May cause an allergic skin reaction
- Precautionary statements
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233: Keep container tightly closed.
P273: Avoid release to the environment.
P280: Wear protective gloves.
P302 + P352: IF ON SKIN: Wash with plenty of soap and water.
P331: Do NOT induce vomiting.
P501 Dispose of contents/ container to an approved waste disposal plant.
- 2.3 Other Hazards** None known



SAFTY DATA SHEET
According to Regulation (EC) No 1907/2006 (REACH)

Revision Date: March 21, 2017

Version No.: 2

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances	
Chemical characterization	Cosmetic ingredients
INCI	Melaleuca Alternifolia (Tea Tree) Leaf Oil
CAS	68647-73-4
EC	285-377-1
Concentration	100%

3.2 Mixture	-
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SECTION 4 – FIRST AID MEASURES

4.1 Description of First Aid Measures	
If swallowed	Do not induce vomiting. Give a glass of water. See doctor immediately.
If in eyes	Flush with water for 15 minutes. If irritation persists, see a doctor.
If on skin	Wash well with water.
If inhaled	If over-exposure occurs, leave exposure area immediately. If other than minor symptoms are displayed, seek medical attention.
Facilities	Eye wash facilities and safety shower are recommended.
4.2 Most important Symptoms and Effects	No information available
4.3 Indication of any immediate Medical Attention and special Treatment needed	No information available.

SECTION 5 – FIRE FIGHTING MEASURES

5.1 Extinguishing Media	Dry agent, carbon dioxide, forma or water fog. Do not use full water jet.
5.2 Hazards from Combustion Products	May evolve toxic gases (hydrocarbon, carbon dioxides) if burning.
5.3 Protective equipment for fire-fighting	Evacuate area and contact emergency services. Remain upwind and notify those downwind of hazard. Wear full protective equipment including self-contained berthing apparatus when combating fire. Use water fog to cool intact containers and nearby storage areas. Hazchem Code: 3[Y]

SECTION 6 – ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, Protective Equipment and Emergency Procedures	Avoid dust formation. Use personal protective clothing. Contain contaminated water/firefighting water.
6.2 Environmental Precautions	Do not discharge into drains/surface waters/underground.



SAFTY DATA SHEET
According to Regulation (EC) No 1907/2006 (REACH)

Revision Date: March 21, 2017

Version No.: 2

6.3 Methods and Material for Containment and Cleaning Up:

Avoid raising dust. For small amounts: Pick up with suitable appliance and dispose of. For large amounts: Contain with dust binding material and dispose of. Contain any spilled material immediately with dry agent (sand, vermiculite, etc.) and vacuum or shovel into labeled containers for disposal.

6.4 Reference to other Sections

Section 8: Exposure control /personal protection.
Section 13: Waste treatment.

SECTION 7 – HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Measures should be taken to prevent materials from being splashed into the eyes or on the skin. Wear eye shields and protective clothing. Smoking should not be permitted in work areas/ Provide adequate ventilation.

7.2 Condition for Safe Storage, including any Incompatibilities

Store in a cool, dry, well-ventilated area away from oxidizing agent (eg. Hyphochlorites), acids (eg. Sulfuric acid), heat and light sources. Ensure containers are adequately labeled, protected from physical damage and sealed when not in use. Keep in original container. Check regulatory for leaks or spills. Large storage areas should have appropriate ventilation systems. This material is scheduled poison and must be stored, maintained and used in accordance with relevant regulations.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Personal Protective Equipment

Respiratory protection

None required when used in well-ventilated area. Use approved half face respirator if using undiluted in confined spaces.

Eye protection

Safety goggles.

Skin protection

Use chemical resistant gloves

8.2 National Exposure Standards

No exposure standard allocated

8.3 Biological Limits

No biological limit allocated.

8.4 Engineering Controls

Ensure adequate ventilation. In poorly ventilated areas, mechanical explosion-proof extraction ventilation is recommended. Keep containers closed when not in use. Wear coveralls, splash proof goggles and PVC or rubber gloves. When an inhalation risk exists, wear a type A (organic vapor) respiration. In a laboratory situation, wear lab coat.

Revision Date: March 21, 2017

Version No.: 2

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic Physical and Chemical Properties

APPEARANCE	Clear to pale yellow liquid
ODOR	Characteristic, Myristic
PH	Not applicable
BOILING POINT/RANGE	97°C - 220°C
FREEZING POINT	-22°C
SPECIFIC GRAVITY	0.885 – 0.906 at 20°C
VAPOR PRESSURE	2100 Pa
VAPOR DENSITY	Not available
RELATIVE DENSIT @ 20/20 DEG. C	0.885-0.906
FLASHPOINT	57-60°C (closed cup)
FIRE POINT	80°C (Cleveland open cup (IP36))
FLAMMABILITY LIMITS	Not determined
SOLUBILITY	Insoluble in water, 1 par miscible with 2 parts ethanol (85% V/V) AT 20°C
AUTO-IGNITION TEMPERATURE	252°C
PARTITION CO-EFFICIENT	LOG ₁₀ P _{OW} =3.4-5.5
PERCENT VOLATILE	100%
REFRACTIVE INDEX	1,475 0 – 1,482 0 at 20°C
VISCOSITY – KINEMATIC	2.86mm ² /s @20°C and 1.71 mm ² /s @40°C
DYNAMIC	2.54mPa.s @ 20°C and 1.52 mPa.s @ 40°C

SECTION 10 – STABILITY AND REACTIVITY

10.1 Stability	Stable
10.2 Incompatible Materials	Strong oxidizing agents or reducing agents, protect for air,
10.3 Hazardous Decomposition products	Carbon monoxide and carbon dioxide (from combustion)
10.4 Conditions to Avoid	Heat, light, open flames and other sources of ignition.

SECTION 11 - TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects	None
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SECTION 12 - ECOLOGICAL INFORMATION

12.1 Persistence/Biodegradability	Readily biodegradable (OECD301F)
12.2 Mobility	LOG ₁₀ K _{OC} =2.3-5.0

SECTION 13 - DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods	Dispose of small amounts at an approved landfill site. For larger amounts contact at a licensed professional waste disposal service. Prevent contamination of drains of waterways.
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SAFTY DATA SHEET
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Revision Date: March 21, 2017

Version No.: 2

SECTION 14 – TRANSPORTATION INFORMATION

UN NUMBER:	1169
UN PROPER SHIPPING NAME:	EXTRACTS, AROMATIC, LIQUID.
UN PACKING GROUP:	III
ADG PROPER SHIPPING NAME:	NOT LISTED IN AUSTRALIAN DANGEROUS GOODS CODE
HAZCHEM:	3[Y]
EPG:	3A1
CLASS:	3
SPECIAL PRECAUTIONS FOR USER:	CLASSIFIED AS DANGEROUS GOODS FOR THE PURPOSE OF TRANSPORT BY ROAD OR RAIL. CLASS 3 COMBUSTIBLE LIQUID. DO NOT TRANSPORT WITH CHEMICALS OF CLASS; 1 (EXPLOSIVE), 2.1/2.3 (FLAMMABLE/TOXIC GASES), 4.2 (SPONTANEOUSLY COMBUSTIBLES), 5.1 (OXIDISING AGENTS), ORGANIC PEROXIDES), 6 (TOXICS), 7 (RADIOACTIVES AND FOOD STUFFS).

SECTION 15 – REGULATORY INFORMATION

Classification of the Substance or Mixture according to Regulation (EC) 1272/2008

Signal words	Warning
Hazard statements	H226: Flammable liquid and vapour H302: Harmful if swallowed H304: May be fatal if swallowed and enters airways H315: Causes skin irritation H317: May cause an allergic skin reaction
Precautionary statements	P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233: Keep container tightly closed. P273: Avoid release to the environment. P280: Wear protective gloves. P302 + P352: IF ON SKIN: Wash with plenty of soap and water. P331: Do NOT induce vomiting. P501: Dispose of contents/ container to an approved waste disposal plant.
Other Hazards	None known
POISON SCHEDULE:	6
AICS:	THIS MATERIAL IS LISTED ON THE AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES
EINECS:	THIS MATERIAL IS LISTED ON THE EUROPEAN INVENTORY OF EXISTING COMMERCIAL SUBSTANCES

SECTION 16 – OTHER INFORMATION



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ABBREVIATIONS:

ADG:	AUSTRALIAN DANGEROUS GOODS
AICS:	AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES
CAS:	CHEMICAL ABSTRACT SERVICES
EINECS:	EUROPEAN INVENTORY OF EXISTING COMMERCIAL SUBSTANCES
EPG:	EMERGENCY PROCEDURES GUIDE
FCA	FREUND'S COMPLETE ADJUVANT
HAG	HAZMAT ACTION GUIDE
LD50	DOSE LETHAL FOR 50% OF THE TEST POPULATION
LDLC	LOWEST PUBLISHED LETHAL DOSE
N.O.S	NOT OTHERWISE SPECIFIED
NOHSC	NATIONAL OCCUPATIONAL HEALTH AND SAFETY COMMISSION
PPE	PERSONAL PROTECTIVE EQUIPMENT
TRECS	REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES
SUSDP	STANDARD FOR THE UNIFORM SCHEDULING OF DRUGS AND POISONS
TD	TOXIC DOSE
TDLO	LOWEST PUBLISHED TOXIC DOSE
UN	UNITED NATIONS

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