SECTION 1: Identification of the substance/ mixture and of the Company/ undertaking

1.1 Product Identifiers

Product Code: 004
Product Name: EUCALYPTUS HORISTES OIL
CAS No. (TSCA): 97926-42-6
EINECS: N/A
Reach Registration number: N/A
Reach Pre-Registration number: N/A

1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available
Application of the substance/preparation:
Perfumes & Fragrances

1.3 Manufacturer/Supplier Details:
Golden Grove Naturals Pty Ltd
Munro Wharf Road, Tucki Tucki, NSW 2480
Email: info@goldengrovenaturals.com

1.4 Information in case of emergency:
Mr. Prasenjit Mazumdar
Ph.: +91 9810008844
Email: pmazumdar@goldengrovenaturals.com

SECTION 2: Hazard Identification

2.1 Classification of the substance/ preparation

Classification according to Regulation (EC) No. 1272/2008
Flam. Liq. 3 H226: Flammable liquid and vapour
Acute Tox. Oral 5 H303: May be harmful if swallowed
Asp. Tox. 1 H304: May be fatal if swallowed and enters airways
Skin Irrit. 2 H315: Causes skin irritation
Skin Sens. 1 H317: May cause an allergic skin reaction
Aquatic Chronic 2 H411: Toxic to aquatic life with long-lasting effects

2.2 Label Elements

Labelling according to Regulation (EC) No. 1272/2008
This product is classified and labelled according to the CLP regulation.

GHS Signal Word
DANGER

Hazard Pictograms

| GHS07 | GHS02 | GHS09 | GHS08 |

Hazard Determining components of Labelling

1,8-Cineol
alpha Pinene
para Cymene
Hazard Statements

H226 Flammable liquid and vapour
H303 May be harmful if swallowed
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

Precautionary Statements

P210 Keep away from heat/sparks/open flames/hot surfaces – No smoking
P273 Avoid release to the environment
P280 Wear protective gloves/protective clothing/eye protection/face protection
P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P332+313 If skin irritation occurs: Get medical advice/attention
P405 Store locked up
P501 Dispose of contents/container to … (in accordance with local/regional/national/international regulation)

2.3 Other Hazard

In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.

SECTION 3: Composition / Information of Ingredients

3.1 Chemical characterisation: Substance

| TSCA CAS Number | 97926-42-6 |
| EINECS CAS Number | N/A |
| Description | Eucalyptus kochii |
| EINECS Number | N/A |

3.2 Dangerous components:

- 1,8-CINEOL (CAS No. 470-82-6) ATO 5(2480),FL 3,SCI 3,SS 1B-H303,H226,H316,H317; Amount: 92.5-96.5%
- ALPHA PINENE (CAS No.80-56-8) AH 1,ATO 5(3500),FL 3,SCI 2,SS 1B-H304,H303,H226,H315,H317; Amount: 0.3-1.0%
- PARA CYMENE (CAS No.99-87-6) AH 1,ATO 5(4750),EH A2,EH C2,FL 3,SCI 3-H304,H303,H226,H316,H411; Amount: 0.9-1.9%

3.3 Additional Information:

For the wordings of listed H statements refer to section 16

SECTION 4 : First AID Measures

4.1 Description of first aid measures

General information:

If health disorder happens, call for medical help immediately.
Immediately remove any clothing soiled by the product.

After inhalation:

Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

After eye contact:

Rinse opened eye for several minutes under running water.

After swallowing:

Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.
SECTION 5 : Fire Fighting Measures

5.1 Extinguishing media
   Suitable extinguishing agents: CO2, alcohol resistant foam, powder, water spray.
   For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture
   In case of fire, the following can be released:
   Carbon monoxide (CO)
   Carbon dioxide (CO2)
   Smoke and soot
   Do not use water with full jet to prevent fire spreading.

5.3 Advice for firefighters
   Protective equipment: Wear self-contained respiratory protective device.
   Additional information
   Cool endangered receptacles with water spray.
   Collect contaminated firefighting water separately. It must not enter the sewage system.
   Dispose of fire debris and contaminated firefighting water in accordance with official regulations.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures
   Follow safety measures in chapter 7 and 8.
   Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions:
   Do not allow to penetrate the ground/soil.
   Inform respective authorities in case of seepage into water course or sewage system.
   Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:
   Wipe up little amounts with absorbent material like cloth or pulp.
   Water and cleansing agent
   Absorb with incombustible liquid-binding material (sand, diatomite, universal binders).
   Dispose of contaminated material as waste according to item 13.

6.4 Reference to other sections
   Keep ignition source away, do not smoke and avoid flames.
   See Section 7 for information on safe handling.
   See Section 8 for information on personal protection equipment.
   See Section 13 for disposal information.
SECTION 7: Handling and storage

7.1 Precautions for safe handling personal protection equipment see point 8.

Information about fire - and explosion protection:
Fumes can combine with air to form an explosive mixture.
Moistened solids (e.g. cloth, pulp, filter panel, binder) has to be stored hermetically sealed and/or
watered and proper disposed (see chapter 9 and 13).
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.

7.2 Conditions for safe storage, including any incompatibilities

Storage:
Requirements to be met by storerooms and receptacles:
Store only in unopened original receptacles.
Provide solvent resistant, sealed floor.
Information about storage in one common storage facility: Store away from oxidising agents.
Further information about storage conditions:
Keep container tightly sealed.
Store in cool, dry conditions in well-sealed receptacles.
Storage class: 3
Classification according to Betriebssicherheitsverordnung (BetrSichV) Flammable

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters
No Data Available
8.2 Exposure controls

**Personal protective equipment:**

**General protective and hygienic measures:**

Use personal protective equipment depending on concentration and amount of hazardous substance.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

**Respiratory protection:**

Suitable respiratory protection: filter class A2 (brown colour).

Use the rules for application of respiratory protection systems.

**Protection of hands:**

Preventive skin protection by use of skin-protecting agents is recommended.

Protective gloves

The glove material must be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

**Material of gloves**

The election of suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material**

> 480 minutes at layer thickness of 0.425 millimetre (Sol-Vex 37-695/Ansell).

The exact break through time must be found out by the manufacturer of the protective gloves and must be observed.

**For the permanent contact gloves made of the following materials are suitable:**

Nitrile rubber, NBR

E.g. following product: Sol-Vex (37-695) from Ansell.

**As protection from splashes gloves made of the following materials are suitable:** PVC gloves

**Eye protection:**

Tightly sealed goggles according to EN 166:2001

**Body protection:** Protective work clothing
SECTION 9: Physical and chemical properties

**General Information**

Form : Liquid
Colour : Clear to pale yellow liquid
Odour : Characteristic
Odour Threshold : N/A

**Change in Condition**

Melting Point °C : N/A
Boiling Point °C : N/A
Flash Point (Closed Cup) °C : 48°C
Specific Gravity/Relative Density : 0.899 - 0.929 @20°C
Refractive Index : 1.445 - 1.465 @20°C
Vapour Density : N/A
Vapour Pressure : 69 mm Hg @20°C

Solubility:
- Water : Insoluble
- Alcohol : Soluble

**Flammability**

Auto Ignition Temperature : N/A

**Explosive Limits**

Lower Explosion Limits : N/A
Upper Explosion Limits : N/A
pH value : N/A
Optical Rotation : -3° to +5°
Surface Tension : N/A
Partition Coefficient : N/A
Granulometry : N/A
Oxidising Properties : N/A
Viscosity : N/A

SECTION 10: Stability and reactivity

10.1 Reactivity

10.2 Chemical stability

Thermal decomposition / conditions to be avoided:
Heating causes vaporisation and formation of ignitable atmosphere is possible.

10.3 Possibility of hazardous reactions

Formation of explosive gas mixture with air possible.
Product is not self igniting; but in case of unpropitious storing conditions (air admission, heat accumulation) self ignition is possible for moistened solids (e.g. cloth, pulp, filter panels, binder).
Reacts violently with oxidising agents.

10.4 Conditions to avoid
No further relevant information available.

10.5 Incompatible materials:
No further relevant information available.

10.6 Hazardous decomposition products:
No dangerous decomposition products expected by intended use.
SECTION 11: Toxicological information

11.1 Toxicological Information Acute

Oral: 2,450 mg/kg  
Inhalation: No data available  
Skin: No data available

11.2 Exposure Limits

No data available

Note: There is a blanket recommendation of 10 mg/m³ for inspirable dusts or mists when limits have not otherwise been met.

SECTION 12: Ecological information

12.1 Toxicity

PNEC Oral: No data available
EC50 (48hrs): No data available
LC50 (96hrs): No data available

12.2 Persistence and degradability

Not Determined

12.3 Mobility in Soil

Not Determined

12.4 Results of PBT and vPvB assessment

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods:

Product/packaging disposal:  
Handle in accordance with official provisions

Waste treatment options:  
Recycling is preferred to disposal or burning

Disposal conditions:  
Dispose of in accordance with all federal, state and local environmental regulations.

13.2 Recommendations:

Empty contaminated packing thoroughly as they may be recycled
Moistened solids to be dispose-off adhering to necessary technical regulations after consulting concerned authorities

SECTION 14: Transport information
14.1 Land Transport (ADR/RID/GGVSE)
UN Number 1169
DG Class 3
Packing Group III
Proper Shipping Name Extracts, Aromatic, Liquid
Classification code 3Y

14.2 Sea Transport (IMDG-Code/GGVSE)
UN Number 1169
DG Class 3
Packing Group III
Proper Shipping Name Extracts, Aromatic, Liquid
Marine Pollutant Yes

14.3 Air Transport (ICAO-TI/IATA-DGR)
UN Number 1169
DG Class 3
Packing Group III

ADR/IMDG/IATA Labels:

14.4 Special precautions for users:
Wear protective gloves/protective clothing/eye protection/face protection. Take off contaminated clothing and wash before reuse. Prevent entry into drains, ground/surface water or sewerage system.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
N/A

Other Information
Custom Tariff Code 3301.29.0000
EmS Code --

SECTION 15: Regulatory information

15.1 EU regulations:
The product has been classified and marked in accordance with EU Directives/Ordinance on Hazardous Materials.

15.2 Water Hazard Class (Germany): N/A

15.3 Chemical safety Assessment No data available

15.4 Other regulations, limitations and prohibitive regulations
EPA No
TSCA Yes
DSL No
Preposition 65 No

Comply with the rules and regulations of skin protection.
SECTION 16: Other information

Abbreviations used:
EC European Commission
EU European Union
DG Dangerous Goods
CAS Chemical Abstract Service
EINECS European Inventory of Existing Commercial Chemical Substances
GHS Globally Harmonized System
CMR Carcinogen, Mutagen, Reprotoxic
PNEC Predicted No Effect Concentration
EC50 Effective Concentration 50 percent
LC50 Lethal Concentration 50 percent
PBT Persistent Bio accumulative and Toxic
vPvB Very Persistent Very Bio accumulative
EWC European Waste Catalogue
EmS Emergency Medical Services
ADR Transport of Dangerous Goods by Road
RID International Carriage of Dangerous Goods by Rail
GGVSE German Regulation on the Transport of Dangerous Goods by Road and Rail
MDG International Maritime Dangerous Goods
ICAO-TI International Civil Aviation Organization-Technical Instructions
IATA-DGR International Air Transport Association-Dangerous Goods Regulation
WGK Wassergefährdungsklassen
EPA Environmental Protection Agency
TSCA Toxic Substance Control Act
DSL Dangerous Substance List

16.2 Full text of the H-Statement used in Section -3. (follow the link)

Quality Declaration

The information contained herein is based on the present state of our knowledge. It characterizes the product with regards to the appropriate safety precaution.