



SAFETY DATA SHEET

1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Catalogue No : E 41525

Product Name : Eucalyptus oil

Manufacture / Supplier Identification Company : **Nice Chemicals (P) Ltd.,**
PB No: 2217, Manimala Road, Edappally,
Kochi - 682 024, Kerala, India.

Contact for Information : **Tel:** 91-484-2800212, 2802755, 2802536, 2801583
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Emergency Telephone No : 0484 2801583

TeleFax No : 0484 2802483

2 COMPOSITION / INFORMATION ON INGREDIENTS

Synonyms : Yo-shu oil

CAS - No :

Molar Mass :

Molecular weight :

Molecular Formula :

EC - INDEX No :

EC - No : 283-406-2

3 HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP] : Flammable liquids (Category 3), H226
Skin irritation (Category 2), H315
Skin sensitisation (Category 1), H317
Aspiration hazard (Category 1), H304
Chronic aquatic toxicity (Category 2), H411
For the full text of the H-Statements mentioned in this Section, see Section 16.

Classification according to EU Directives 67/548/EEC or 1999/45/EC : Xn, N Harmful, Dangerous for the environment
R10, R38, R43, R65, R51/53
For the full text of the R-phrases mentioned in this Section, see Section 16.

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Label Elements

Labelling according Regulation (EC) No 1272/2008

Pictogram : 

Signal word : Danger

Hazard statement(s)

H226 : Flammable liquid and vapour.
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 statement(s)

P273 : Avoid release to the environment.
P280 : Wear protective gloves
P301 + P310 : IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
P331 : Do NOT induce vomiting.
Other Hazards : none

4 FIRST AID MEASURES

General advice : Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled : If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact : Wash off with soap and plenty of water. Consult a physician.

In case of eye contact : Flush eyes with water as a precaution.

If swallowed : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician

Most Important symptoms and effects, both acute and delayed : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

Indication of any immediate medical attention and special treatment needed : No data available



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5 FIRE - FIGHTING MEASURES

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture : Nature of decomposition products not known.

Advice for firefighters : Wear self contained breathing apparatus for fire fighting if necessary.

Further Information : No data available.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental-protection : Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up : Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

Reference to other sections : For disposal see section 13.

7 HANDLING AND STORAGE

Precautions for safe handling : Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

Conditions for safe storage, including any incompatibilities : Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Specific end users : No data available

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameter
Components with workplace control parameters
Exposure Controls

Appropriate engineering controls : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday



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Personal protective equipment

Eye/face protection : Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU)

Skin Protection : Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique(without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.
Wash and dry hands.
The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection : Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection : Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance **Form** : Liquid
Colour : No data available

Odour : No data available

Odour Threshold : No data available

pH : No data available

Melting Point/Freezing point : < -20 °C

Initial Boiling point and boiling range : 175 °C at 1.013 hPa

Flash Point : 45,5 °C - Pensky-Martens closed cup

Evaporation rate : No data available

Flammability (solid, gas) : No data available

Upper/lower flammability or explosive limits : No data available



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Vapour Pressure : No data available

Vapour Density : No data available

Relative density : 0,909 g/cm³

Water solubility : Slightly soluble

Partition coefficient: octanol/water : log Pow: 2,84

Autoignition temperature : 270 °C at 990,57 hPa - Tested according to Annex V of Directive 67/548/EEC

Viscosity : 2,702 mm²/s at 20 °C - 1,790 mm²/s at 40 °C -

Explosive properties : No data available

Oxidizing properties : No data available

Decomposition temperature : No data available

Other Safety information : No data available

10 STABILITY AND REACTIVITY

Reactivity : No data available

Chemical stability : Stable under recommended storage conditions

Conditions to be avoid : Heat, flames and sparks.

hazardous decomposition products : Other decomposition products - no data available

Possibility of hazardous reactions : No data available

incompatible materials : Strong oxidizing agents

11 TOXICOLOGICAL INFORMATION

Acute Toxicity : no data available
LD50 Dermal - rabbit - > 5.000 mg/kg

Skin corrosion/irritation : No data available

Serious eye damage/eye irritation : Eyes - rabbit

Respiratory or skin sensitization : May cause sensitisation by skin contact

Germ cell mutagenicity : Not mutagenic in Ames Test



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Carcinogenicity	: IARC: No component of this product present at levels
Reproductive toxicity	: No toxicity to reproduction
Specific target organ toxicity - single exposure	: No data available
Specific target organ toxicity - repeated exposure	: No data available
Aspiration hazard	: The substance or mixture is known to cause human
Additional Information	: RTECS: No data available

12 ECOLOGICAL INFORMATION

Toxicity	: No data available
Persistence and degradability	: No data available
Bioaccumulative potential	: No data available
Mobility in soil	: No data available
Results of PBT and vPvB assessment	: PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
Other adverse effects	: No data available

13 DISPOSAL METHOD

Waste treatment methods

Product	: Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging	: Dispose of as unused product.

14 TRANSPORT INFORMATION

UN number	: ADR/RID: - 1993 IMDG: - 1993 IATA: - 1993
UN Proper shipping name	: ADR/RID: FLAMMABLE LIQUID, N.O.S. (Eucalyptus globulus, ext.) IMDG: FLAMMABLE LIQUID, N.O.S. (Eucalyptus globulus, ext.) IATA: Flammable liquid, n.o.s. (Eucalyptus globulus, ext.)
Transport hazard class(es)	: ADR/RID: - 3 IMDG: - 3 IATA:- 3



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Environmental group : ADR/RID: - yes IMDGMarine pollutant: yes IATA: -
no

15 REGULATORY INFORMATION

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

Safety, health and environmental regulations/legislation
specific for the substance or mixture : No data available

Chemical safety assessment : For this product a chemical safety assessment was not
carried out

16 OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

Aquatic Chronic : Chronic aquatic toxicity

Asp. Tox. : Aspiration hazard

Flam. Liq. : Flammable liquids

H226 : Flammable liquid and vapour.

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.

Skin Irrit. : Skin irritation

Skin Sens. : Skin sensitisation

Full text of R-phrases referred to under sections 2 and 3

N : Dangerous for the environment

Xn : Harmful

R10 : Flammable.

R38 : Irritating to skin.

R43 : May cause sensitisation by skin contact.

R51/53 : Toxic to aquatic organisms, may cause long-term adverse
effects in the aquatic environment.

R65 : Harmful: may cause lung damage if swallowed.

Other Information

The information contained here in is based on the present state of our knowledge. It characterises the product with regard to the appropriate safety precaution. It does not represent a guarantee of the properties of the product.