

SAFETY DATA SHEET

according to the Regulation of the European Parliament and the Council (EC) No. 1907 /
2006 of 18 December 2006 (REACH)

Substance identification: EUCALYPTUS ESSENTIAL (737-600)

Issued by: 26. 01. 2005

Revised: 15. 06. 2013

Version: 7. 0

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

1.1 Product identifier

Trade name: EUCALYPTUS ESSENCE (737-600)

1.2 Relevant identified uses of the substance or mixture

Perfumes / Flavors

1.3 Details of the supplier of the safety data sheet

Ekokoza sro

Fryšovice 297, 73945,

Fryšovice

ID: 07508247,

eshop@ekokoza.cz

1.4 Telephone number for emergencies

Toxicological information center, Na Bojišti 1

128 00 Prague 2, Czech Republic

phone number: +420 224 919 293 or +420 224 915 402

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) c.1272/2008 in the last valid version:

Hazard class and category code:

Aquatic chronic 2; H411 Asp. Tox. 1; H304 Flam Liq. 3; H226 Skin Sens. 1; H317

GHS symbols:

GHS02, GHS07, GHS08, GHS09

The most serious adverse physico-chemical effects and effects on human health and the environment:

H226 Flammable liquid and vapors.

H304 May cause death if swallowed and enters respiratory system.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic organisms, with long-term effects.

Classification of the substance according to Council Directive 67/548/EEC.

Warning symbol: Xn;

Unhealthy

N; Dangerous for the environment.

The most serious adverse physico-chemical effects and effects on human health and the environment:

R 10 Flammable.

R 43 May cause sensitization by skin contact.

R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 65 Harmful, may cause lung damage if swallowed.

Instructions for safe handling: Avoid

S 61 release into the environment. See special instructions or safety data sheets.

S 62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

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- S 37 Use suitable protective gloves.
S 51 Use only in well-ventilated areas.
S 24 Avoid contact with skin.

2.2 Marking elements

Label elements according to Regulation (EC) No. 1272/2008 (GHS) in the last valid version:

GHS symbols:



Signal word: Danger

Hazardous components:

LIMONENE; CAS# 138-86-3

PINENES; CAS# 80-56-8

The most serious adverse physico-chemical effects and effects on human health and the environment:

- H226 Flammable liquid and vapors.
H304 May cause death if swallowed and enters respiratory system.
H317 May cause an allergic skin reaction.
H411 Toxic to aquatic organisms, with long-term effects.

Precautions for safe handling: Keep

- P 210 away from heat/sparks/open flame/hot surfaces. No smoking.
P 233 Keep the package tightly closed.
P 301/310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P 333/313 In case of skin irritation or rash: Get medical attention/treatment.
P 403/235 Store in a well-ventilated place. Keep refrigerated.
P 501 Remove contents/wrapper.

2.3 Another danger

SECTION 3: Composition/information on ingredients

3.1 Substances

3.2 Mixtures

Classification of the substance in accordance with Council Directive 67/548/EEC as amended.

EUCALYPTUS OIL

CAS: 8000-48-4

EINECS: 283-406-2

The mixture contains the following dangerous substances:

LIMONENE

CAS: 138-86-3

EINECS: 205-341-0

R10 N ; R50/53 R43 Xn ; R65 Xi ; R38 Flam. Liq. 3;

H226 Asp Tox. 1; H304 Skin Sens. 1; H317 Aquatic

10-15 %

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Acute 1; H400 Aquatic Chronic 1; H410

PINENES

CAS: 80-56-8

R10 N ; R50/53 R43 Xn ; R65 Flam.

EINECS: 201-291-9

Liq. 3 ; H226 Asp.Tox. 1 ; H304 Skin Sens. 1 ; H317 Aquatic Acute 1 ;
H400 Aquatic Chronic 1 ; H410

10 -15 %

P-MENTHA-1,4-DIENE

CAS: 99-85-4

R10 Xn ; R65

EINECS: 202-794-6

Flam. Liq. 3 ; H226 Asp.Tox. 1 ; H304

1 - 5 %

P-CYMENE

CAS: 99-87-6

R10 N ; R51/53 Xn ; R65 Flam.

EINECS: 202-796-7

Liq. 3 ; H226 Asp.Tox. 1 ; H304 Aquatic Chronic 2 ; H411

1 – 2,5 %

The full text of the standard hazard statements (H-phrases) and R-phrases of the substance/mixture are given in section 16.

SECTION 4: First aid measures

4.1 Description of first aid

General instructions: Remove contaminated clothing immediately.

Inhalation: Keep calm. Move the victim to fresh air and call a doctor. Call a doctor.

In case of skin contact: Wash the affected area immediately with soap and water and rinse thoroughly.

In case of eye contact: Wash open eyes under running water for min. 10-15 minutes. See an eye doctor immediately.

After ingestion: Rinse mouth with water. See a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures

5.1 Hasiva

Suitable extinguishing agents: Sand, CO2, foam or powder fire extinguisher.

Unsuitable extinguishing media (for safety reasons): Water.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products: -

5.3 Instructions for firefighters

Special protective equipment for firefighters: Self-contained breathing apparatus, impermeable protective suit.

SECTION 6: Accidental release measures

6.1 Personal protection measures, protective equipment and emergency procedures

Eliminate sources of ignition. Provide fresh air in closed rooms.

6.2 Environmental protection measures

Never pour down the drain. Prevent leakage into surface and ground water and soil. In case of leakage, inform the relevant authorities.

Dispose in accordance with local regulations.

6.3 Methods and material for containment and cleaning up

Cover the liquid with a suitable non-flammable absorbent (sand, earth, diatomaceous earth,...) and pour into closed containers.

Dispose of the collected material in accordance with local regulations.

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6.4 Reference to other sections

Dispose of collected material and contaminated packaging in accordance with the instructions in section 13.

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

Eliminate sources of ignition. Provide fresh air in closed rooms.

7.2 Conditions for safe storage of substances and mixtures, including incompatible substances and mixtures

Store in original, well-closed containers in a cool, dry, well-ventilated room away from sources of ignition, protect from light and static electricity. Do not smoke near the fabric. Keep away from food, drink and feed. Prevent the ambient temperature from exceeding 50°C.

7.3 Specific end/specific end uses

No data available.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters**

LIMONENE; CAS# 138-86-3

Time exposure limit:

TRGS 900; time-weighted average: 20 ml/m³ / 110 mg/m³

8.2 Limiting exposure

Limiting worker exposure: Usual safety measures - use personal protective equipment, do not eat, drink or smoke while working! Wash your hands with soap and water after work and before eating.

Respiratory protection: In case of insufficient ventilation, use a respirator against vapors of organic compounds.

Hand protection: Use protective gloves, EN 374. Cover material: nitrile rubber min. protection index 2 > 30 min.

Eye protection: Use tight-fitting safety glasses or a protective shield.

Skin protection: Wear suitable protective clothing.

Limiting environmental exposure:

The substance/preparation does not contain any relevant amounts of substances for which limit values must be checked at the workplace. (Valid documents were used as a basis for the preparation.)

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

appearance:

Colorless liquid

odor:

Freshly aromatic

odor threshold: not available

pH:

not available

melting point / freezing point: not available

initial boiling point and boiling range: > 160 °C (1013 hPa)

flash point: 49 °C evaporation rate: not available

flammability (solids, gases): not available

upper/lower flammability or explosive limits: not available

vapor pressure: not available

vapor density: < 300 hPa (50 °C)

relative density:

0.91 g/cm³ at 20 °C

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solubility:	Soluble in various organic solvents
partition coefficient: n-octanol/water: auto-	not available
ignition temperature:	not available
decomposition	not available
temperature: viscosity:	not available
explosive properties: oxidizing properties:	not available

9.2 More information

water solubility:	Almost insoluble (20 °C)
density:	not available

SECTION 10: Stability and reactivity

10.1 Reactive

No data available.

10.2 Chemical stability

No data available.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to Avoid

None with recommended treatment.

10.5 Incompatible materials

Acids and bases.

10.6 Hazardous decomposition products

No hazardous decomposition products are known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

acute toxicity:

EUCALYPTUS OIL; CAS-No.: 8000-48-4

LD-50 oral, rat: > 2,480 mg/kg

LD-50 dermal, rabbit: > 5,000 mg/kg.

Irritation: No data available.

Corrosivity: No data available.

sensitization: No data available.

repeated dose toxicity: No data available.

Carcinogenicity: No data available.

mutagenicity: No data available.

reproductive toxicity: No data available.

SECTION 12: Ecological information

12.1 Toxicity

No data available.

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

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No data available.

No **Mobility in soil 12.4**

data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

It must not get undiluted or in large quantities into groundwater, watersheds or sewers. It endangers drinking water even when a small amount penetrates the soil. Do not pour into water or sewage without prior treatment, do not leave in public landfills.

SECTION 13: Disposal considerations

13.1 Waste management methods

Methods of disposal of the substance/preparation: Follow appropriate procedures for incineration, storage or recycling. It must not be disposed of together with household waste. Do not allow leakage into drains. Dispose of in accordance with local regulations.

Methods of disposal of contaminated packaging: Handle contaminated packaging professionally. Packaging can be recycled after thorough and careful cleaning. Packaging that could not be cleaned must be handled in the same way as the product.

Act No. 185/2001 Coll. on waste, as amended, Act No. 188/2004 Coll., supplementing Act No.

185/2001 Coll., Act No. 477/2001 Coll., on packaging and on the amendment of certain laws (the Packaging Act), as amended, Decree 376/2001 Coll., on the assessment of hazardous waste properties, as amended, Decree 381 /2001 Coll.,

(waste catalog) as amended, 383/2001 Coll., on the details of waste management, as amended. Directive of the European Parliament and of the Council (EC) No. 98/2008/98 of 19 November 2008 on waste and on the repeal of certain directives in the last valid version.

SECTION 14: Transport information

14.1 Land transport ADR/RID (cross borders):

UN Number: 1993

UN proper shipping name: 1993 FLAMMABLE LIQUID NOSE (DIPENTENE, PINENES)

Transport hazard class(es): 3

Packaging group: III

Marking the restrictions for the tunnel: D/E

Warning board (Kemler): 30

Classification: F1

More information: 640E, LQ 7, E1

Designation: 3/N

14.2 Sea transport IMDG:

UN number: 1993

Proper UN name for the consignment: 1993 FLAMMABLE LIQUID NOSE (DIPENTENE, PINENES; CYMENE)

Transport hazard class(es): 3

Packaging group: III

Marine Pollutant: -

EmS: FE/SE

More information: LQ 5 I

Designation: 3/N

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14.3 ICAO-TI and IATA-DGR air transport:

UN number:	1993
Proper UN name for the consignment:	1993 FLAMMABLE LIQUID NOSE (DIPENTENE, PINENES)
Packaging group:	3
PAO:	III
Designation:	3

SECTION 15: Regulatory Information

15.1 Safety, health and environmental regulations/specific legislation relating to the substance or mixture

Regulation of the European Parliament and Council (EC) No. 1907/2006 (REACH) of 18 December 2006 on the registration, evaluation, authorization and restriction of chemical substances (the so-called REACH Regulation) in the last valid version as amended, Directive 67/ 548/EEC as amended and 1999/45/EC as amended. Regulation (EC) No. 1272/2008 on classification and labeling of substances and mixtures (CLP) in the last valid version.

Commission Regulation (EU) No. 453/2010 of 20 May 2010 amending EC Regulation No. 1907/2006.

Regulation of the European Parliament and the Council (EC) No. 689/2008 of 17 June 2008 on the export and import of hazardous chemical substances, as amended.

Act No. 356/2003 Coll., on chemical substances and chemical preparations, as amended.

Act No. 185/2001 Coll., on waste and on the amendment of certain other laws, as amended.

Act No. 154/2010 Coll., amending Act No. 185/2001 Coll., on waste and amending certain other laws, as amended.

Directive of the European Parliament and Council (EC) No. 98/2008 of 19 November 2008 on waste and on the repeal of certain directives in the last valid version.

Act No. 258/2000 Coll., on the protection of public health, as amended.

Act No. 353/1999 Coll., on the prevention of serious accidents caused by selected dangerous chemical substances and chemical preparations, as amended.

15.2 Chemical safety assessment

No data available.

SECTION 16: Further information

#Data has been changed compared to the previous version.

Legend to used abbreviations and shorthand words:

ADR	European Agreement on the International Carriage of Dangerous Goods by Road (Articles Dangereux de Route)
RID	Regulation Concerning the International Rail Transport of Dangerous Goods (Regulations Concerning the International Carriage of Dangerous Goods by Rail)
IMDG	International Maritime Dangerous Goods (International Maritime Dangerous Goods)
THERE IT IS	International Air Transport Association
ICAO	International civil aviation organization
GHS	Globally Harmonized System of Classification and Labeling of Chemicals (Globally Harmonized System of Classification and Labeling of Chemicals)
CLP	Classification, Labeling and Packaging of substances and mixtures (Classification, Labeling and Packaging of substances and mixtures)
CMR	Substances carcinogenic, mutagenic and toxic for reproduction
PBT	Persistent, bioaccumulative and toxic substances
vPvB	Highly persistent and highly bioaccumulative substances
TRGS	Maximum concentration in the workplace (Maximum limit in the atmosphere at the workplace)

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Full text of the standard hazard statements (H-phrases) and R-phrases of the substance/mixture listed in section 2 and 3:

R 10 Flammable.

R 38 It irritates the skin.

R 43 May cause sensitization by skin contact.

R 50/53 Highly toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 65 Harmful, may cause lung damage if swallowed.

Full text of the safety phrases of the H-phrases of the substance/mixture listed in section 2 and 3:

H226 Flammable liquid and vapors.

H304 It can cause death if swallowed and enters the respiratory system.

H315 It irritates the skin.

H317 May cause an allergic skin reaction.

H400 Highly toxic to aquatic organisms.

H410 Highly toxic to aquatic organisms with long-term effects.

H411 Toxic to aquatic organisms, with long-term effects.

Person responsible for issuing the safety data sheet: Ing. Pavlína Šváblová

References to literature and data sources: The classification corresponds to the current directives of the regulation of the European Parliament and the Council (EC). The information in this document is based on the current state of our knowledge, but does not constitute a guarantee of product properties and does not establish any legal contractual relationship. The safety data sheet was prepared based on the original safety data sheet provided by the supplier.