

Material Safety Data Sheet

according to Regulation (EC) 1907/2006



Product name : Tallbarrolja (738-010)
Revision : 06.03.2013
Print date : 13.09.2013

Version (Revision) : 14.1.1 (14.1.0)

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Tallbarrolja (738-010)

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

Perfumes / Flavors

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier : Düllberg Konzentra GmbH & Co.KG
Street/P.O.Box : Obenhauptstraße 3
Country code/Postal code/Town/City : D - 22335 Hamburg
Telephone : +49 (0)40 507114 - 0
Telefax : +49 (0)40 507114-930
Contact : info@duellberg-konzentra.de

1.4 Emergency telephone number

Düllberg Konzentra GmbH & Co. KG, Obenhauptstraße 3 22335 Hamburg Quality control / Quality management (Mon.-Fri. 8.00 am - 5.00 pm) Phone: +49 (0)40 50 71 14 - 0

2. Hazards identification

2.1 Classification of the substance or mixture

Directive 67/548/EEC or 1999/45/EC

Flammable. · Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. · May cause sensitization by skin contact. · Harmful: may cause lung damage if swallowed. · Irritating to eyes and skin.

R 10 · N ; R 50/53 · R 43 · Xn ; R 65 · Xi ; R 36/38

Regulation (EC) No 1272/2008 (GHS)

Flammable liquid and vapour. · May be fatal if swallowed and enters airways. · Causes skin irritation. · May cause an allergic skin reaction. · Very toxic to aquatic life.

Aquatic Acute 1 ; H400 · Aquatic Chronic 1 ; H410 · Asp.Tox. 1 ; H304 · Eye Irrit. 2 ; H319 · Skin Irrit. 2 ; H315 · Flam. Liq. 3 ; H226 · Skin Sens. 1 ; H317

2.2 Label elements

Directive 67/548/EEC or 1999/45/EC

Danger symbol and danger designation



Xn ; Harmful



N ; Dangerous for the environment

Hazard-determining components of labelling

LIMONENE ; CAS-No. : 138-86-3

ALPHA-PINENE (2,6,6-TRIMETHYL-BICYCLO(3,1,1)HEPT-2-EN) ; CAS-No. : 80-56-8

PINENE BETA ; CAS-No. : 127-91-3

R-phrases

10	Flammable.
50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
43	May cause sensitization by skin contact.
65	Harmful: may cause lung damage if swallowed.
36/38	Irritating to eyes and skin.

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S-phrases

61 Avoid release to the environment. Refer to special instructions / safety data sheet.
62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
51 Use only in well-ventilated areas.
37 Wear suitable gloves.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
24/25 Avoid contact with skin and eyes.

Regulation (EC) No 1272/2008 (GHS)

Hazard pictograms



Flame (GHS02) · Health hazard (GHS08) · Environment (GHS09) · Exclamation mark (GHS07)

Signal word

Danger

Hazard-determining components of labelling

LIMONENE ; CAS-No. : 138-86-3
ALPHA-PINENE (2,6,6-TRIMETHYL-BICYCLO(3,1,1)HEPT-2-EN) ; CAS-No. : 80-56-8
PINENE BETA ; CAS-No. : 127-91-3

Hazard statements

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.
H319 Causes serious eye irritation.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233 Keep container tightly closed.
P301/310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P333/313 If skin irritation or rash occurs: Get medical advice/attention.
P403/235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container to ...

2.3 Other hazards

None.

3. Composition/information on ingredients

3.2 Mixtures

Fichtennadelöl / Fir needle oil EINECS/ELINCS: 294-351-9 CAS: 8021-29-2 or 91697-89-1

Hazardous components

LIMONENE ; EC-No. : 205-341-0; CAS-No. : 138-86-3

Percentage : 30 - 35 %
Classification 67/548/EEC : R10 N ; R50/53 R43 Xn ; R65 Xi ; R38
Classification 1907/2006 (GHS) : Flam. Liq. 3 ; H226 Asp.Tox. 1 ; H304 Skin Irrit. 2 ; H315 Skin Sens. 1 ; H317 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410

TERPENEHYDROCARBONS

Percentage : 20 - 25 %
Classification 67/548/EEC : R10 Xn ; R65
Classification 1907/2006 (GHS) : Flam. Liq. 3 ; H226 Asp.Tox. 1 ; H304

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CAMPHENE (2,2-DIMETHYL-3-METHYLENNORBORNAN) ; EC-No. : 201-234-8; CAS-No. : 79-92-5

Percentage : 20 - 25 %
Classification 67/548/EEC : F ; R11 N ; R50/53 Xi ; R36
Classification 1907/2006 (GHS) : Flam. Sol. 2 ; H228 Eye Irrit. 2 ; H319 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410

ALPHA-PINENE (2,6,6-TRIMETHYL-BICYCLO(3,1,1)HEPT-2-EN) ; EC-No. : 201-291-9; CAS-No. : 80-56-8

Percentage : 20 - 25 %
Classification 67/548/EEC : R10 N ; R50/53 R43 Xn ; R65
Classification 1907/2006 (GHS) : Flam. Liq. 3 ; H226 Asp.Tox. 1 ; H304 Skin Sens. 1 ; H317 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410

PINENE BETA ; EC-No. : 204-872-5; CAS-No. : 127-91-3

Percentage : 5 - 10 %
Classification 67/548/EEC : R10 N ; R50/53 R43 Xn ; R65
Classification 1907/2006 (GHS) : Flam. Liq. 3 ; H226 Asp.Tox. 1 ; H304 Skin Sens. 1 ; H317 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410

For the wording of the listed risk phrases refer to section 16.

4. First aid measures

4.1 Description of first aid measures

General

Immediately remove all contaminated clothing.

After inhalation

Keep at rest. Let in fresh air. Call a physician.

After skin contact

Wash away with soap and water and rinse.

After eye contact

Flush with plenty of water (10 - 15 min.). Contact a doctor immediately.

After ingestion

Rinse mouth with cold water. Contact a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3 Indication of any immediate medical attention and special treatment needed

None.

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Sand, foam, CO₂, dry extinguisher.

Unsuitable extinguishing media

Water.

5.2 Special hazards arising from the substance or mixture

None.

5.3 Advice for firefighters

Recirculated air breathing equipment. Fully enclosed protective clothing.

5.4 Additional information

In accordance with local official regulations. Pass on to an appropriate incinerating plant or depository or recycling.

6. Accidental release measures

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6.1 Personal precautions, protective equipment and emergency procedures

Remove ignition sources. Provide for sufficient ventilation.

6.2 Environmental precautions

Do not empty into drains. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

6.3 Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Take up mechanically. Remove according to regulations.

6.4 Reference to other sections

None.

7. Handling and storage

7.1 Precautions for safe handling

Information for safe handling

Make sure that ventilation is adequate. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Comply with the health and safety at work laws.

Information about protection against explosions and fires

Take precautionary measures against static discharges. Keep away from ignition sources - No smoking. Keep fire extinguisher ready before opening the container.

7.2 Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and containers

Store containers tightly closed in a cool well ventilated place. Avoid heating over 50°C.

Further information about storage conditions

Storage class (TRGS 510) : 3

7.3 Specific end use(s)

None.

8. Exposure controls/personal protection

8.1 Control parameters

LIMONENE ; CAS-No. : 138-86-3

Specification : TRGS 900 (D)
Value : 20 ml/m³ / 110 mg/m³
Category : 2(II)
Remarks : DFG, Sh, Y
Version date :

8.2 Exposure controls

Personal protective equipment

The usual precautionary measures for the handling of chemicals have to be observed. Do not eat or drink during work - no smoking.

Respiratory protection

In case of insufficient ventilation wear respiratory protection

Hand protection

Use protective gloves. Chemical resistant gloves according to EN 374; Nitrile gloves, min. protection index 2 >30 min. permeation value

Eye protection

Use tightly fitting safety glasses.

9. Physical and chemical properties

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9.1 Information on basic physical and chemical properties

Image

Form : Liquid.
Colour : Light yellowish.
Odour : coniferic

Relevant safety data

Boiling temperature / boiling range : (1013 hPa)	>	160 °C
Flash point :		42 °C
Vapour pressure : (50 °C)	<	300 hPa
Density : (20 °C)		0,88 g/cm ³
Solubility in water: (20 °C)		practically insoluble
Solubility in other solvent:		soluble in diff. org. solvents
pH-value:		neutral

9.2 Other information

None.

10. Stability and reactivity

10.1 Reactivity

There are no data available on the product itself.

10.2 Chemical stability

There are no data available on the product itself.

10.3 Possibility of hazardous reactions

There are no data available on the product itself.

10.4 Conditions to avoid

None, if handled according to order.

10.5 Incompatible materials

acids and bases

10.6 Hazardous decomposition products

None, if handled according to order.

10.7 Further information

Under vacuum: distillation without decomposition. stable up to 100 °C

11. Toxicological information

11.1 Information on toxicological effects

LD50/LC50 values that are relevant for classification

Specification :	LD50
Routes of entry :	Oral
Test species :	Rat
Value / dosage :	10,2 g/kg
Specification :	LD50 (FIR NEEDLE OIL ; CAS-No. : 8021-29-2)
Routes of entry :	Oral
Test species :	Rat
Value / dosage :	10,2 g/kg

12. Ecological information

12.1 Toxicity

There are no data available on the product itself.

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12.2 Persistence and degradability

There are no data available on the product itself.

12.3 Bioaccumulative potential

There are no data available on the product itself.

12.4 Mobility in soil

In case of appropriate conduction into adapted biological purification plants no disturbances have to be expected.

12.5 Results of PBT and vPvB assessment

There are no data available on the product itself.

12.6 Other adverse effects

Do not empty into waters or drains. Do not empty the product into drains and waters without primary treatment and do not store on public depositories.

13. Disposal considerations

13.1 Waste treatment methods

Do not empty into waters or drains. In accordance with local official regulations. Pass on to an appropriate incinerating plant or depository or recycling.

14. Transport information

14.1 UN number

1993

14.2 UN proper shipping name

ADR/RID

FLAMMABLE LIQUID, N.O.S. (DIPENTENE · ALPHA-PINENES)

IMDG-Code

FLAMMABLE LIQUID, N.O.S. (DIPENTENE · CAMPHENE · ALPHA-PINENES)

ICAO-TI / IATA-DGR

FLAMMABLE LIQUID, N.O.S. (DIPENTENE · ALPHA-PINENES)

14.3 Transport hazard class(es)

ADR/RID

Class : 3
Classification-Code : F1
Kemlercode : 30
Tunnel restriction code : D/E
Special provisions : 640E · LQ 7 · E 1
Label : 3 / N

IMDG-Code

Class : 3
EmS number : F-E / S-E
Special provisions : LQ 5 I · E 1
Label : 3 / N

ICAO-TI / IATA-DGR

Class : 3
Special provisions : E 1
Label : 3

14.4 Packing group

III

14.5 Environmental hazards

ADR/RID : N

IMDG-Code : P

ICAO-TI / IATA-DGR : N

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14.6 Special precautions for user

None.

15. Regulatory information

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

National regulatory information

Water pollution classification

Class : 2 Classification according to VwVwS

15.2 Chemical safety assessment

There are no data available on the product itself.

16. Other information

Further information

The readings in this Material Safety Data Sheet are valid for professional users. Depending on kind of use the expeller should keep in mind additional legal regulations if applicable (such as childproof closures, sense of touch symbols, instructions for use, additional precautionary statements or special labelling rules et.al) Mixtures are classified in accordance with the REGULATION (EC) No 1272/2008 Article 61 paragraph 5 (Transitional provisions) by using the conversion table in Annex VII of this Regulation.

Relevant changes

07.2 Information about separation of incompatible products

R-Phrases of components

10	Flammable.
11	Highly flammable.
36	Irritating to eyes.
36/38	Irritating to eyes and skin.
38	Irritating to skin.
43	May cause sensitization by skin contact.
50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
65	Harmful: may cause lung damage if swallowed.

GHS Hazard statements of components

H226	Flammable liquid and vapour.
H228	Flammable solid.
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.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.