

C Roberson & Co Ltd

Safety Data Sheet according to Directive 91/155/EC

Revision Date: August 2014

1) Identification of the substance/preparation and the company

Trade Name: Oil of Spike Lavender

Application: Artists' Paint Auxiliaries

Manufacturer/Supplier:

C. Roberson & Co Ltd

1A Hercules Street

London N7 6AT

Tel: 020 7272 0567

Fax: 020 7263 0212

2) Composition/Information on ingredients

Chemical name	EC-No	CAS-No	Weight Percent	Classification according to 7/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
3,7-Dimethylocta-1,6-dien-3-ol	201-134-4	78-70-6	20-35	Xi;R38	Skin Irrit. 2 (H315)	no data available
DL Camphor	244-350-4	21368-68-3	5-15	FL;R11 Xn;R20R68/22	STOT SE 2 (H371) Acute Tox. 4 (H332)	no data available
Linalyl Acetate	204-116-4	115-95-7	2-10	Xi;R38	Skin Irrit. 2 (H315)	no data available
Limonene	227-813-5	5989-27-5	2-5	FL;R10 Xn;R65 Xi;R38 R43 N;R50/53;	Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Flam Liq. 3 (H226)	no data available
p-Mentha-1,4-diene	202-794-6	99-85-4	2-5	FL;R10 Xn;R65	Asp. Tox. 1 (H304) Flam Liq. 3 (H226)	no data available

Chemical name	EC-No	CAS-No	Weight Percent	Classification according to 7/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
Alpha Pinene	201-291-9	80-56-8	1-2.5	FL;R10 Xn;R65 Xi;R38 R43	Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Flam Liq. 3 (H226)	no data available
Beta Pinene	204-872-5	127-91-3	1-2.5	FL;R10 Xn;R65 Xi;R38 R43	Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Flam Liq. 3 (H226)	no data available
Para cymene	202-796-7	99-87-6	1-2.5	FL;R10 Xn;R65 N;R51/53	Asp. Tox. 1 (H304) Aquatic Chronic 2 (H411) Flam Liq. 3 (H226)	no data available

3) Hazards Identification

Aspiration toxicity	Category 1
Skin corrosion/irritation	Category 2
Skin sensitisation	Category 1
Specific target organ toxicity (single exposure)	Category 2
Chronic aquatic toxicity	Category 2
Flammable Liquids	Category 3

Classification according to EU Directives 67/548/EEC or 1999/45/EC

For the full text of the R-phrases mentioned in this Section, see Section 16

Symbol(s) FA - Flammable N - Dangerous for the environment

R-code(s) R10;R38;R43;R51/53;R65;R68

Label Elements



Signal Word

Danger

Hazard statements

H304 - May be fatal if swallowed and enters airways
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H371 - May cause damage to organs
H411 - Toxic to aquatic life with long lasting effects
H226 - Flammable liquid and vapour

Precautionary statements:

P312 - Call a POISON CENTER or doctor/ physician if you feel unwell
P332 + P313 - If skin irritation occurs: Get medical advice/ attention
P362 - Take off contaminated clothing and wash before reuse
P261 - Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray
P272 - Contaminated work clothing should not be allowed out of the workplace
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P333 + P313 - If skin irritation or rash occurs: Get medical advice/ attention
P321 - Specific treatment (see supplemental first aid instructions on this label)
P363 - Wash contaminated clothing before reuse
P260 - Do not breathe dust/ fume/ gas/ mist/ vapours/ spray
P264 - Wash face, hands and any exposed skin thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P309 + P311 - IF exposed or if you feel unwell: Call a POISON CENTER or doctor/ physician
P273 - Avoid release to the environment
P391 - Collect spillage
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician
P331 - Do NOT induce vomiting
P405 - Store locked up
P501 - Dispose of contents/ container to an approved waste disposal plant
P210 - Keep away from heat/ sparks/ open flames/ hot surfaces. - No smoking
P233 - Keep container tightly closed
P240 - Ground/ bond container and receiving equipment
P241 - Use explosion-proof electrical/ ventilating/ lighting/ equipment
P242 - Use only non-sparking tools
P243 - Take precautionary measures against static discharge
P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection
P303 + P361 + P353 - IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower
P370 + P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction
P403 + P235 - Store in a well-ventilated place. Keep cool

OTHER INFORMATION

Ozone Not classified

4) First Aid Measures

Skin Contact:	Wash off immediately with soap and plenty of water and remove all contaminated clothes and shoes.
Eye Contact:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Ingestion:	Clean mouth with water. If swallowed, do not induce vomiting - seek medical advice.
Inhalation	Move to fresh air.
Notes to physician	Treat symptomatically.

5) Fire Fighting Measures

Extinguishing Media:	Extinguishing measures that are appropriate to local circumstances and the surrounding environment. Do not use water.
Exposure Hazards:	N/A
Advice for Fire-Fighters:	As in any fire, wear self-contained breathing apparatus and full protective gear.

6 Accidental Release Measures

Personal Precautions:	Ensure adequate ventilation. Use personal protective equipment.
Environmental Precautions:	Prevent further leakage or spillage if safe to do so. See Section 12 for additional Ecological Information.
Clean-Up Procedures:	Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (see section 13).

7) Handling and Storage

Handling Requirements:	Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice.
Storage Conditions:	Keep container tightly closed in a dry and well-ventilated place.

8) Exposure/Personal Protection

Control parameters

Derived No Effect Level (DNEL)	No information available
Predicted No Effect Concentration (PNEC)	No information available

Engineering Measures: Ensure adequate ventilation, especially in confined areas.

Respiratory Protection: None under normal use conditions.

Eye Protection: Tightly fitting safety goggles.

Hand Protection: Protective gloves

Skin Protection: Wear suitable protective clothing.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice

Environmental exposure controls: The product should not be allowed to enter drains, water courses or the soil.

9) Physical and chemical Properties

Appearance: Liquid

Flash Point: 45°C

10) Stability and Reactivity

Chemical Stability: Stable under normal conditions.

Conditions To Avoid: Heat, flames and sparks. Exposure to air or moisture over prolonged periods.

Materials to Avoid: No information available.

Hazard Decomposition Products: No information available.

11) Toxicological Information

Acute Effects: None known.

Skin Contact: None known.

Eye Contact: None known.

Ingestion: Large amounts may cause sickness.

Inhalation: Potential for aspiration if swallowed.

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
3,7-Dimethylocta-1,6-dien-3-ol	2790 mg/kg (Rat)	5610 mg/kg (Rat)	
Linalyl Acetate	13934 mg/kg (Rat)		
Limonene	4400 mg/kg (Rat)	5005 mg/kg (Rabbit)	
p-Mentha-1,4-diene	3650 mg/kg (Rat)		
Alpha Pinene	2100 mg/kg (Rat)	5005 mg/kg (Rabbit)	
Beta Pinene	4700 mg/kg (Rat)		
Para cymene	3669 mg/kg (Rat)		

Chronic toxicity: Sensitization: No information available
 Target Organ Effects: No information available

12) Ecological Information

Toxicity

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

Chemical name	Toxicity to algae	Toxicity to fish	Toxicity to Microorganisms	Toxicity to daphnia and other aquatic invertebrates
3,7-Dimethylocta-1,6-dien-3-ol	88.3: 96 h Desmodesmus subspicatus mg/L EC50	22-46: 96 h Leuciscus idus mg/L LC50 static		20: 48 h Daphnia magna mg/L EC50
Limonene		0.619-0.796: 96 h Pimephales promelas mg/L LC50 flow-through 35: 96 h Oncorhynchus mykiss mg/L LC50		
Alpha Pinene		0.28: 96 h Pimephales promelas mg/L LC50 static		41: 48 h Daphnia magna mg/L LC50

Persistence and degradability: No information available

Bioaccumulative potential: No information available

Mobility in soil: No information available

13) Disposal Information

Disposal: Dispose according to local regulations.

Contaminated packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal.

14) Transport Information

IMDG/IMO

Proper Shipping Name: EXTRACTS, AROMATIC, LIQUID
Hazard Class: 3
UN/ID no: 1169
Packing Group: III

ADR/RID

Proper Shipping Name: EXTRACTS, AROMATIC, LIQUID
Hazard Class: 3
UN/ID no: 1169
Packing Group: III

ICAO/IATA

Proper Shipping Name: EXTRACTS, AROMATIC, LIQUID
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15) Regulatory Information

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

International Inventories

TSCA: -
EINECS/ELINCS: Complies
DSL/NDSL: -
PICCS: Complies
ENCS: -
IECSC: Complies
AICS: -
KECL: -

Legend.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

16) Other information

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

R10 – Flammable

R11 - Highly flammable

R20 - Harmful by inhalation

R38 - Irritating to skin

R43 - May cause sensitization by skin contact

R65 - Harmful: may cause lung damage if swallowed

R68 - Possible risk of irreversible effects

Risk Combination Phrases

R68/22 - Harmful: possible risk of irreversible effects if swallowed

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

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

Hazard statements

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physician

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P403 + P235 - Store in a well-ventilated place. Keep cool

This Safety Data Sheet was compiled using the current safety information supplied by the distributors of the component materials.

To best of our knowledge the information contain herein is accurate. However, neither the above supplier assumes any liability whatsoever for the accuracy or completeness of the information herein

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist