



# SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) as amended

## Medo Leaf Pine

Creation date 27th February 2020  
Revision date Version 2.0

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

- 1.1. Product identifier**  
Substance / mixture Medo Leaf Pine  
Number LEA-9\_EN
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**  
Mixture's intended use Air freshener.  
Mixture uses advised against  
The product should not be used in ways other than those referred in Section 1.
- 1.3. Details of the supplier of the safety data sheet**  
**Distributor**  
Name or trade name Opal Products Limited  
Address Unit 6 Swannington Road Cottage Lane Industrial Estate  
Broughton Astley  
Leicester  
LE9 6TU  
Phone +44 (0) 1455 286887 enquires@opalproducts.co.uk
- Competent person responsible for the safety data sheet**  
Name Tomáš Hrubý  
E-mail tomas.hruby@jees.cz
- 1.4. Emergency telephone number**  
National Health Service (NHS) 111 UK Office (Monday - Friday 09:00 to 17:00): +44 (0) 1455 286887  
National poisoning information centre Scotland, NHS 24: 111

### SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture**  
**Classification of the mixture in accordance with Regulation (EC) No 1272/2008**  
The mixture is classified as dangerous.
- Skin Irrit. 2, H315  
Skin Sens. 1B, H317  
Aquatic Chronic 2, H411
- Full text of all classifications and hazard statements is given in the section 16.
- Most serious adverse effects on human health and the environment**  
Causes skin irritation. May cause an allergic skin reaction. Toxic to aquatic life with long lasting effects.

- 2.2. Label elements**  
**Hazard pictogram**



**Signal word**  
Warning

#### Hazardous substances

2-(4-tert-butylbenzyl)propionaldehyde  
d-Limonene  
2,4-dimethylcyclohex-3-ene-1-carbaldehyde  
2-Methyl-undecanal

#### Hazard statements

H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H411 Toxic to aquatic life with long lasting effects.

#### Precautionary statements

P101 If medical advice is needed, have product container or label at hand.



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P102 Keep out of reach of children.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P501 Dispose of contents/container to in accordance with local regulations.

### 2.3. Other hazards

Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

Mixture of substances and additives specified below.

**Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment**

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note.
CAS: 25265-71-8 EC: 246-770-3 Registration number: 01-2119456811-38	Oxydipropanol	<25		
CAS: 125-12-2 EC: 204-727-6	Isobornyl Acetate	5-19	Skin Irrit. 2, H315	
CAS: 76-22-2 EC: 200-945-0	Camphor	0,5-2,5	Flam. Sol. 1, H228 Acute Tox. 4, H302, H332 STOT SE 2, H371	
CAS: 18479-58-8 EC: 242-362-4 Registration number: 01-2119457274-37-0000	2,6-dimethyloct-7-en-2-ol	0,5-2,5	Skin Irrit. 2, H315 Eye Irrit. 2, H319	
CAS: 80-54-6 EC: 201-289-8 Registration number: 01-2119485965-18-0000	2-(4-tert-butylbenzyl)propionaldehyde	0,1-1,3	Acute Tox. 4, H302 Skin Irrit. 2, H315 Skin Sens. 1, H317 Repr. 2, H361 Aquatic Chronic 2, H411	
CAS: 100-51-6 EC: 202-589-9	benzyl alkohol	0,1-1,3	Acute Tox. 4, H302, H332 Eye Irrit. 2, H319	
CAS: 68901-15-5 EC: 272-657-3	allyl(cyclohexyloxy)acetate	0,1-1,3	Acute Tox. 4, H302 Skin Irrit. 2, H315 Aquatic Chronic 3, H412	
CAS: 5989-27-5 EC: 227-813-5 Registration number: 01-2119529223-47-0000	d-Limonene	0,1-1,3	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Chronic 1, H410	
CAS: 78-70-6 EC: 201-134-4 Registration number: 01-2119474016-42-0000	Linalool	0,1-1,3	Skin Irrit. 2, H315 Eye Irrit. 2, H319	
CAS: 68039-49-6 EC: 268-264-1	2,4-dimethylcyclohex-3-ene-1-carbaldehyde	0,1-1,3	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	



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Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note.
CAS: 110-41-8	2-Methyl-undecanal	0,1-1,3	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 1, H410	
CAS: 88-41-5 EC: 201-828-7	2-tert. Butylcyclohexyl acetate	<0,3	Aquatic Chronic 2, H411	
CAS: 10094-34-5 EC: 233-221-8	Dimethyl benzyl carbinyl butyrate	<0,3	Aquatic Chronic 2, H411	
CAS: 128-37-0 EC: 204-881-4 Registration number: 01-2119480433-40-xxxx	2,6-di-tert-butyl-p-cresol	<0,3	Aquatic Acute 1, H400, M=1 Aquatic Chronic 1, H410, M=1	
CAS: 105-87-3 EC: 203-341-5	Geranyl acetate	<0,3	Aquatic Chronic 2, H411	
CAS: 93-18-5 EC: 202-226-7	Beta-naphthyl ethyl ether	<0,3	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 2, H411	
CAS: 81782-77-6 EC: 279-815-0	Undecavertol	<0,3	Aquatic Acute 1, H400 Aquatic Chronic 1, H410	
CAS: 101-84-8 EC: 202-981-2	Diphenyl Ether	<0,3	Aquatic Chronic 2, H411	
CAS: 142-19-8 EC: 205-527-1	Allyl heptanoate	<0,3	Acute Tox. 3, H301, H311, H331 Aquatic Acute 1, H400 Aquatic Chronic 3, H412	
Index: 650-002-00-6 CAS: 8006-64-2 EC: 232-350-7	turpentine, oil	<0,3	Flam. Liq. 3, H226 Acute Tox. 4, H302, H312, H332 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319 Aquatic Chronic 2, H411	

Full text of all classifications and hazard statements is given in the section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet.

##### If inhaled

Terminate the exposure immediately; move the affected person to fresh air. Protect the person against growing cold. Provide medical treatment if irritation, dyspnoea or other symptoms persist.

##### If on skin

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible. Soap, soap solution or shampoo should be used if there is no skin injury. Provide medical treatment if skin irritation persists.

##### If in eyes

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. Rinsing should continue at least for 10 minutes. Provide medical treatment, specialized if possible.

##### If swallowed

DO NOT INDUCE VOMITING! Rinse out the mouth with water and provide 2-5 dL of water. Provide medical treatment if the person has any health problems.



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### 4.2. Most important symptoms and effects, both acute and delayed

#### If inhaled

Not expected.

#### If on skin

May cause an allergic skin reaction.

#### If in eyes

Not expected.

#### If swallowed

Irritation, nausea.

### 4.3. Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

#### Unsuitable extinguishing media

Water - full jet.

### 5.2. Special hazards arising from the substance or mixture

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

### 5.3. Advice for firefighters

Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Use a self-contained breathing apparatus and full-body protective clothing. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Prevent contact with skin and eyes.

### 6.2. Environmental precautions

Do not allow to enter drains. Prevent contamination of the soil and entering surface or ground water.

### 6.3. Methods and material for containment and cleaning up

Place the product mechanically in an appropriate manner. Dispose of the collected material according to the instructions in the section 13.

### 6.4. Reference to other sections

See the Section 7, 8 and 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Prevent contact with skin and eyes. Wash hands and exposed parts of the body thoroughly after handling. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection.

### 7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose.

Storage class

13 - Other non-combustible solids

### 7.3. Specific end use(s)

not available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

none



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### 8.2. Exposure controls

Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

#### Eye/face protection

Protective goggles.

#### Skin protection

Hand protection: Protective gloves resistant to the product. When choosing appropriate thickness, material and permeability of the gloves, observe recommendations of their particular manufacturer. Observe other recommendations of the manufacturer. Other protection: protective workwear. Contaminated skin should be washed thoroughly.

#### Respiratory protection

It is not needed.

#### Thermal hazard

Not available.

#### Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2. Collect spillage.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

Physical state solid at 20°C  
color Green

Odour Characteristic

Odour threshold data not available

pH data not available

Melting point/freezing point data not available

Initial boiling point and boiling range data not available

Flash point data not available

Evaporation rate data not available

Flammability (solid, gas) data not available

Upper/lower flammability or explosive limits

flammability limits data not available

explosive limits data not available

Vapour pressure data not available

Vapour density data not available

Relative density data not available

#### Solubility(ies)

solubility in water data not available

solubility in fats data not available

Partition coefficient: n-octanol/water data not available

Auto-ignition temperature data not available

Decomposition temperature data not available

Viscosity data not available

Explosive properties data not available

Oxidising properties data not available

### 9.2. Other information

Density data not available

ignition temperature data not available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

not available

### 10.2. Chemical stability

The product is stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Unknown.



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### 10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.

### 10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents.

### 10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

No toxicological data is available for the mixture.

#### Acute toxicity

Based on available data the classification criteria are not met.

turpentine, oil

Route of exposure	Parameter	Value	Time of exposure	Species	Sex
Oral	LD <sub>50</sub>	5760 mg/kg		Rat	

#### Skin corrosion/irritation

Causes skin irritation.

turpentine, oil

Route of exposure	Result	Time of exposure	Species
Dermal	Irritating		Rabbit

#### Serious eye damage/irritation

Based on available data the classification criteria are not met.

#### Respiratory or skin sensitisation

May cause an allergic skin reaction.

#### Germ cell mutagenicity

Based on available data the classification criteria are not met.

#### Carcinogenicity

Based on available data the classification criteria are not met.

#### Reproductive toxicity

Based on available data the classification criteria are not met.

#### Toxicity for specific target organ - single exposure

Based on available data the classification criteria are not met.

#### Toxicity for specific target organ - repeated exposure

Based on available data the classification criteria are not met.

#### Aspiration hazard

Based on available data the classification criteria are not met.

## SECTION 12: Ecological information

### 12.1. Toxicity



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### Acute toxicity

Toxic to aquatic life with long lasting effects.

turpentine, oil

Parameter	Method	Value	Time of exposure	Species	Environment
LC <sub>50</sub>	OECD 203	29 mg/l	96 hour	Fishes (Danio rerio)	
EC <sub>50</sub>	OECD 202	6.4 mg/l	48 hour	Daphnia (Daphnia magna)	
EC <sub>50</sub>	OECD 201	17.1 mg/l	72 hour	Algae (Desmodesmus subspicatus)	

### 12.2. Persistence and degradability

#### Biodegradability

turpentine, oil

Parameter	Value	Time of exposure	Environment	Result
	71.7 %	28 day		

Data not available.

### 12.3. Bioaccumulative potential

Not available.

### 12.4. Mobility in soil

Not available.

### 12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

### 12.6. Other adverse effects

Not available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

#### Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

#### Waste type code

15 01 01 paper and cardboard packaging

15 01 02 plastic packaging

## SECTION 14: Transport information

### 14.1. UN number

UN 3077

### 14.2. UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (d-Limonene, Allyl heptanoate)

### 14.3. Transport hazard class(es)

9 Miscellaneous dangerous substances and articles



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### 14.4. Packing group

III - substances presenting low danger

### 14.5. Environmental hazards

not available

### 14.6. Special precautions for user

Reference in Sections 4 to 8.

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not available

#### Additional information

Hazard identification No.

90

(Kemler Code)

UN number

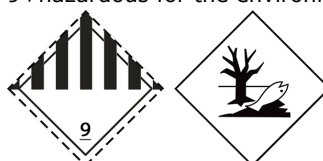
3077

Classification code

M7

Safety signs

9+dangerous for the environment



#### Air transport - ICAO/IATA

Packaging instructions passenger 956

Cargo packaging instructions 956

#### Marine transport - IMDG

EmS (emergency plan) F-A, S-F

Marine Pollutant No

## SECTION 15: Regulatory information

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

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16th December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006, as amended.

### 15.2. Chemical safety assessment

not available

## SECTION 16: Other information

#### A list of standard risk phrases used in the safety data sheet

H226 Flammable liquid and vapour.  
H228 Flammable solid.  
H301 Toxic if swallowed.  
H302 Harmful if swallowed.  
H304 May be fatal if swallowed and enters airways.  
H311 Toxic in contact with skin.  
H312 Harmful in contact with skin.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H331 Toxic if inhaled.  
H332 Harmful if inhaled.  
H361 Suspected of damaging fertility or the unborn child.  
H371 May cause damage to organs.





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H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

### Guidelines for safe handling used in the safety data sheet

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P302+P352	IF ON SKIN: Wash with plenty of water.
P501	Dispose of contents/container to in accordance with local regulations.

### Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per Section 1. The user is responsible for adherence to all related health protection regulations.

### Key to abbreviations and acronyms used in the safety data sheet

ADR	European agreement concerning the international carriage of dangerous goods by road
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
DNEL	Derived no-effect level
EC	Identification code for each substance listed in EINECS
EC <sub>50</sub>	Concentration of a substance when it is affected 50% of the population
EINECS	European Inventory of Existing Commercial Chemical Substances
EmS	Emergency plan
EU	European Union
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
IC <sub>50</sub>	Concentration causing 50% blockade
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC <sub>50</sub>	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD <sub>50</sub>	Lethal dose of a substance in which it can be expected death of 50% of the population
LOAEC	Lowest observed adverse effect concentration
LOAEL	Lowest observed adverse effect level
log K <sub>ow</sub>	Octanol-water partition coefficient
MARPOL	International Convention for the Prevention of Pollution From Ships
NOAEC	No observed adverse effect concentration
NOAEL	No observed adverse effect level
NOEC	No observed effect concentration
NOEL	No observed effect level
OEL	Occupational Exposure Limits
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted no-effect concentration
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
UN	Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds



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vPvB Very Persistent and very Bioaccumulative

Acute Tox.	Acute toxicity
Aquatic Acute	Hazardous to the aquatic environment
Aquatic Chronic	Hazardous to the aquatic environment
Asp. Tox.	Aspiration hazard
Eye Irrit.	Eye irritation
Flam. Liq.	Flammable liquid
Flam. Sol.	Flammable solid
Repr.	Reproductive toxicity
Skin Irrit.	Skin irritation
Skin Sens.	Skin sensitization
STOT SE	Specific target organ toxicity - single exposure

### Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

### Recommended restrictions of use

not available

### Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended.  
REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. First aid principles after the exposure to the chemicals (Zásady pro poskytování první pomoci při expozici chemickým látkám, doc. MUDr. Daniela Pelclová, CSc., MUDr. Alexandr Fuchs, CSc., MUDr. Miroslava Hornychová, CSc., MUDr. Zdeňka Trávníčková, CSc., Jiřina Fridrichovská, prom. chem.). Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

### Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.