



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 Kraco Car Care International Ltd.
Address 4 Ambassador Place, Stockport Road Altrincham, WA15 8DB
United Kingdom of Great Britain and Northern Ireland
Phone +44 (0) 161 927 7000
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) 161 927 7000
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.



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

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	



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

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.



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

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



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

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.



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

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 ₅₀	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



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

Acute toxicity

Toxic to aquatic life with long lasting effects.

turpentine, oil

Parameter	Method	Value	Time of exposure	Species	Environment
LC ₅₀	OECD 203	29 mg/l	96 hour	Fishes (Danio rerio)	
EC ₅₀	OECD 202	6.4 mg/l	48 hour	Daphnia (Daphnia magna)	
EC ₅₀	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



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

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

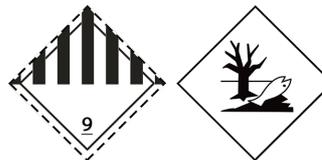
3077

Classification code

M7

Safety signs

9+hazardous 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.



SAFETY DATA SHEET

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

Medo Leaf Pine

Creation date	27th February 2020	Version	2.0
Revision date			

- 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
- EC₅₀ 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
- IC₅₀ 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
- LC₅₀ Lethal concentration of a substance in which it can be expected death of 50% of the population
- LD₅₀ 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_{ow} 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



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

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.