



SAFETY DATA SHEET

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

Medo Leaf Ocean surf

Creation date 26th 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 Ocean surf
Number LEA-18_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 Sens. 1B, H317
Aquatic Chronic 3, H412

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

Most serious adverse effects on human health and the environment

May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects.

- 2.2. Label elements**
Hazard pictogram



Signal word
Warning

Hazardous substances
4-tert-Butylcyclohexyl acetate
Citronellol
Hexyl cinnamal
2-(4-tert-butylbenzyl)propionaldehyde

Hazard statements
H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements
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.



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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: 32210-23-4 EC: 250-954-9	4-tert-Butylcyclohexyl acetate	1-3	Skin Sens. 1B, H317	
CAS: 106-22-9 EC: 203-375-0 Registration number: 01-2119453995-23-xxxx	Citronellol	0,5-1,3	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319	
CAS: 18479-58-8 EC: 242-362-4	Dihydromyrcenol	0,4-1,2	Skin Irrit. 2, H315 Eye Irrit. 2, H319	
CAS: 8000-41-7 EC: 232-268-1 Registration number: 01-2119553062-49-0000	Terpineol	0,4-1,2	Skin Irrit. 2, H315 Eye Irrit. 2, H319	
CAS: 60-12-8 EC: 200-456-2	2-phenylethanol	0,4-1	Acute Tox. 4, H302 Eye Irrit. 2, H319	
CAS: 101-86-0 EC: 202-983-3	Hexyl cinnamal	0,4-1	Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 2, H411	
CAS: 140-11-4 EC: 205-399-7	Benzyl acetate	0,3-0,8	Aquatic Chronic 3, H412	
CAS: 2500-83-6 EC: 219-700-4	3a,4,5,6,7,7a-Hexahydro-4,7-methanoinden-5(6)-yl acetate	0,2-0,5	Aquatic Chronic 3, H412	
CAS: 101-84-8 EC: 202-981-2 Registration number: 01-2119472545-33-xxxx	Diphenyl ether	0,1-0,4	Eye Irrit. 2, H319 Aquatic Chronic 2, H411	
CAS: 80-54-6 EC: 201-289-8 Registration number: 01-2119907954-30-xxxx	2-(4-tert-butylbenzyl)propionaldehyde	0,1-0,4	Acute Tox. 4, H302 Skin Irrit. 2, H315 Skin Sens. 1, H317 Repr. 2, H361 Aquatic Chronic 2, H411	
CAS: 112-54-9 EC: 203-983-6	Dodecanal	0,1-0,4	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319	



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Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note.
CAS: 127-51-5 EC: 204-846-3	3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	0,1-0,3	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319 Aquatic Chronic 2, H411	
CAS: 110-41-8 EC: 203-765-0	2-methylundekanal	<0,2	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	
CAS: 112-45-8 EC: 203-973-1	10-undecenal	<0,2	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319	
CAS: 91-64-5 EC: 202-086-7 Registration number: 01-2119943756-26-0000	Coumarin	<0,2	Acute Tox. 4, H302 Skin Sens. 1B, H317 STOT RE 2, H373	
CAS: 2705-87-5 EC: 220-292-5	allyl 3-cyclohexylpropionate	<0,2	Acute Tox. 4, H302, H312, H332 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	
CAS: 28219-61-6 EC: 248-908-8 Registration number: 01-2119529224-45	2-ethyl-4-(2,2,3-trimethyl-3-cyklopenten-1-yl)-2-buten-1-ol	<0,2	Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	
CAS: 2437-25-4 EC: 219-440-1	Dodecanenitrile	<0,2	Skin Irrit. 2, H315 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	
CAS: 68039-49-6 EC: 268-264-1	2,4-dimethylcyclohex-3-ene-1-carbaldehyde	<0,1	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
CAS: 128-37-0 EC: 204-881-4 Registration number: 01-2119480433-40-xxxx	2,6-di-tert-butyl-p-cresol	<0,1	Aquatic Acute 1, H400, M=1 Aquatic Chronic 1, H410, M=1	
CAS: 57378-68-4 EC: 260-709-8	1-(2,6,6-trimethyl-3-cyclohexen-1-yl)-2-buten-1-one	<0,1	Acute Tox. 4, H302 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 1, H410	
CAS: 80-56-8 EC: 201-291-9	alpha-Pinene	<0,1	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Skin Sens. 1B, H317	

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.



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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.

If swallowed

Rinse out the mouth with clean water. In the event of issues, find medical help.

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

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. 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



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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

none

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

It is not needed.

Skin protection

Hand protection: Protective gloves resistant to the product. 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.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state solid at 20°C

color Blue

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.



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10.3. Possibility of hazardous reactions

Unknown.

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.

2-methylundekanol

Route of exposure	Parameter	Value	Time of exposure	Species	Sex
Oral	LD ₅₀	>5000 mg/kg		Rat	
Dermal	LD ₅₀	>10000 mg/kg		Rabbit	

2-phenylethanol

Route of exposure	Parameter	Value	Time of exposure	Species	Sex
Oral	LD ₅₀	1790 mg/kg		Rat	
Dermal	LD ₅₀	2535 mg/kg		Rabbit	

Citronellol

Route of exposure	Parameter	Value	Time of exposure	Species	Sex
Oral	LD ₅₀	3450 mg/kg		Rat	
Dermal	LD ₅₀	2650 mg/kg		Rabbit	

Skin corrosion/irritation

Based on available data the classification criteria are not met.

2-phenylethanol

Route of exposure	Result	Time of exposure	Species
Skin	Slightly irritating		Guinea-pig

Citronellol

Route of exposure	Result	Time of exposure	Species
Dermal	Irritating	48 hour	Human

Serious eye damage/irritation

Based on available data the classification criteria are not met.

2-phenylethanol

Route of exposure	Result	Time of exposure	Species
Eye	Slightly irritating		Rabbit



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Respiratory or skin sensitisation

May cause an allergic skin reaction.

Citronellol

Route of exposure	Result	Time of exposure	Species	Sex
	Sensitizing		Mouse	

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

Acute toxicity

Harmful to aquatic life with long lasting effects.

Citronellol

Parameter	Value	Time of exposure	Species	Environment
LC ₅₀	10.0-22 mg/l	96 hour	Fishes (Leuciscus idus)	
EC ₅₀	17 mg/l	48 hour	Daphnia (Daphnia magna)	
EC ₅₀	2.4 mg/l	72 hour	Algae (Selenastrum capricornutum)	

12.2. Persistence and degradability

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



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13.1. Waste treatment methods

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 an authorised person for waste removal (specialized company) authorised 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. Hazard of environmental contamination; remove waste in accordance with local and/or national regulations.

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

Not subject to ADR

14.2. UN proper shipping name

not available

14.3. Transport hazard class(es)

not available

14.4. Packing group

not available

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

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.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H361 Suspected of damaging fertility or the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure.



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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
- 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



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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
Repr.	Reproductive toxicity
Skin Irrit.	Skin irritation
Skin Sens.	Skin sensitization
STOT RE	Specific target organ toxicity - repeated 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.