

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 08.01.2019

Version number 4

Revision: 13.12.2018

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

- **1.1 Product identifier**
 - **Trade name:** Lumea Liquid wax candles
 - **CAS Number:**
1174522-45-2
 - **EC number:**
918-973-3
 - **Registration number** 01-2119458871-30-0003
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.
- **Application of the substance / the mixture** combustible
- **1.3 Details of the supplier of the safety data sheet**
 - **Manufacturer/Supplier:**
Lumea Ltd
Hartnoll Business Centre
Tiverton
Devon, EX16 4NG
Tel.: +44 (0)845 601 7532
Fax: +44 (0)1884 252090
sales@lumea.co.uk
www.lumea.co.uk
 - **Informing department:**
Sales Department:
Tel.: +44 (0)845 601 7532
sales@lumea.co.uk
- **1.4 Emergency telephone number:**
Giftnotruf Berlin
Tel. +49 (0)30 30686 700
Helpdesk in German and in English
For Great Britain:
National Health Service (NHS): 111

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS08 health hazard

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**

The substance is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS08

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

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Version number 4

Revision: 13.12.2018

Trade name: Lumea Liquid wax candles

(Contd. from page 1)

- **Signal word** Danger
- **Hazard-determining components of labelling:**
Hydrocarbons, C13-C16, isoalkanes, cyclics, <2% aromatics
- **Hazard statements**
H304 May be fatal if swallowed and enters airways.
- **Precautionary statements**
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P331 Do NOT induce vomiting.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Additional information:**
Restricted to professional users.
Keep out of the reach of children
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.1 Chemical characterisation: Substances**
- **CAS No. Designation:**
1174522-45-2 Hydrocarbons, C13-C16, isoalkanes, cyclics, <2% aromatics
- **Identification number(s):**
- **EC number:** 918-973-3

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact**
Wash with water and soap.
If skin irritation continues, consult a doctor.
- **After eye contact**
Rinse opened eye for several minutes under running water.
In case of permanent aches and pains please go and see the doctor.
- **After swallowing**
Do NOT induce vomiting in order to prevent an invasion into the lungs.
Rinse mouth and immediately consult physician.
- **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **Danger**
In case of ingestion or vomiting product may enter the lung.
Aspiration may cause pulmonary oedema and pneumonitis.
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.

(Contd. on page 3)

Safety data sheet
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Version number 4

Revision: 13.12.2018

Trade name: Lumea Liquid wax candles

(Contd. from page 2)

- **5.2 Special hazards arising from the substance or mixture**
Can form explosive gas-air mixtures.
Do not inhale smoke and combustion products.
During incomplete combustion carbon monoxide can be formed.
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained breathing apparatus.
- **Additional information**
Water spray may be used to flush spills away from exposure.
Vapours may form an explosive atmosphere with air.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Keep away from ignition sources
Ensure adequate ventilation
Do not inhale vapours.
Particular danger of slipping on leaked/spilled product.
- **6.2 Environmental precautions:**
Do not allow product to reach sewage system or water bodies.
Inform respective authorities in case product reaches water or sewage system.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).
Dispose of contaminated material as waste according to section 13.
Ensure adequate ventilation.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about protection against explosions and fires:**
Fumes can combine with air to form an explosive mixture.
Vapours are heavier than air and may travel long distances along ground, ignite and flash back to source.
Store it away from ignition sources or open fire.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:**
Store only in the original container.
Keep storage temperature between 8°C and 38°C.
Store cool and dry in well sealed containers.
- **Information about storage in one common storage facility:**
Do not store together with acids.
Store away from oxidising agents.
- **Further information about storage conditions:** Keep container tightly sealed.
- **7.3 Specific end use(s)** combustible

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Components with limit values that require monitoring at the workplace:** Not required.

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 08.01.2019

Version number 4

Revision: 13.12.2018

Trade name: Lumea Liquid wax candles

(Contd. from page 3)

- **Additional information:** The lists that were valid during the compilation were used as basis.
- **8.2 Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**
Keep away from foodstuffs, beverages and food.
Wash hands during breaks and at the end of the work.
- **Breathing equipment:**
In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.
Filter A/P2.
- **Protection of hands:**
Protective gloves are only required in case of intense and/or prolonged skin contact with the product.
- **Material of gloves**
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Penetration time of glove material**
With a lamination strength of 0,11 mm the permeation time is > 480 min.
With solid dry substances permeation is not to be expected. Therefore the breakthrough-time for this protective glove has not been measured.
- **For the permanent contact gloves made of the following materials are suitable:**
Nitrile rubber, NBR
- **Eye protection:** Safety glasses recommended during refilling.

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

Form:	Fluid
Colour:	Colourless
Odour:	Mild
Odour threshold:	Not determined.

· **pH-value at 20 °C:** 7

· Change in condition

Melting point/freezing point:	~10 °C
Initial boiling point and boiling range:	200 °C

· **Flash point:** 121 °C

· **Inflammability (solid, gaseous)** Not applicable.

· **Ignition temperature:** ~216 °C

· **Decomposition temperature:** Not determined.

· **Self-inflammability:** Not determined.

· **Explosive properties:** Product is not explosive.

· Critical values for explosion:

Lower:	0.5 Vol %
Upper:	7 Vol %

· **Vapour pressure:** Not determined.

· **Density at 20 °C** 0.77 g/cm³

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 08.01.2019

Version number 4

Revision: 13.12.2018

Trade name: Lumea Liquid wax candles

(Contd. from page 4)

- | | |
|---|--|
| · Solubility in / Miscibility with Water: | Not miscible or difficult to mix |
| · Partition coefficient: n-octanol/water at 20 °C: | ≥ 6 |
| · Viscosity: kinematic at 40 °C: | 2.5 cSt |
| · 9.2 Other information | No further relevant information available. |

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** Oxidizing agents, strong acids.
- **10.6 Hazardous decomposition products:**
None in case of intended use and storage in compliance with instructions.

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

LD/LC50 values that are relevant for classification:
1174522-45-2 Hydrocarbons, C13-C16, isoalkanes, cyclics, <2% aromatics

Oral	LD50	> 5,000 mg/kg (rat) (OECD 401)
Dermal	LD50	> 3,160 mg/kg (rabbit) (OECD 402)
Inhalative	LC50	> 5.266 mg/l/4h (rat) (OECD 403)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**
Smallest amounts which can get into the lungs by means of swallowing or subsequent vomiting can cause a pulmonary oedema or pneumonia.

Repeated dose toxicity
1174522-45-2 Hydrocarbons, C13-C16, isoalkanes, cyclics, <2% aromatics

Oral	NOAEL (90d)	≥ 5,000 mg/kg bw/day (rat) (OECD 408)
Dermal	NOAEL (90d)	≥ 495 mg/kg bw/day (rat) (OECD 410)

- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **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.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard**
May be fatal if swallowed and enters airways.

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(Contd. on page 6)

Safety data sheet
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Version number 4

Revision: 13.12.2018

Trade name: Lumea Liquid wax candles

(Contd. from page 5)

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **Other information:** There are no data available about the preparation.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Not completely empty packaging:
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
Must be specially treated under adherence to official regulations.
Completely empty packaging:
Let the boxes burn off completely and dispose of them in the collection of recyclable materials depending on municipal regulations.
The waste code numbers mentioned are recommendations based on the probable use of the product.

- **European waste catalogue**

07 00 00	WASTES FROM ORGANIC CHEMICAL PROCESSES
07 07 00	wastes from the MFSU of fine chemicals and chemical products not otherwise specified
07 07 04*	other organic solvents, washing liquids and mother liquors
13 00 00	OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19)
13 07 00	wastes of liquid fuels
13 07 03*	other fuels (including mixtures)
HP 5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- | | |
|---------------------------------------|------|
| · 14.1 UN-Number | |
| · ADR, ADN, IMDG, IATA | Void |
| · 14.2 UN proper shipping name | |
| · ADR, ADN, IMDG, IATA | Void |

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

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Trade name: Lumea Liquid wax candles

(Contd. from page 6)

· 14.3 Transport hazard class(es)	
· ADR, ADN, IMDG, IATA	
· Class	Void
· 14.4 Packing group	
· ADR, IMDG, IATA	Void
· 14.5 Environmental hazards:	
· Marine pollutant:	No
· 14.6 Special precautions for user	Not applicable.
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· Transport/Additional information:	Not dangerous according to the above specifications.
· UN "Model Regulation":	Void

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** Substance is not listed.
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **National regulations**
- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **Substances of very high concern (SVHC) according to REACH, Article 57**
- Substance is not listed.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

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.

- **Department issuing data specification sheet:**
This Material Safety Data Sheet has been drawn up in cooperation with:
DEKRA Assurance Services GmbH, Hanomagstr. 12, D-30449 Hanover, Germany,
phone: (+49) 511 42079 - 0, reach@dekra.com.
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- **Abbreviations and acronyms:**
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Asp. Tox. 1: Aspiration hazard – Category 1
- *** Data compared to the previous version altered.**