

# Long Life Deo

Version number: 6  
Issued: 2021-11-25  
Replaces SDS: 2021-01-18



KLEEN  
PURGATIS

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

### 1.1. Product identifier

**Trade name**

Long Life Deo

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Relevant identified uses**

Room air freshener for professional users.

**Not suitable for use in**

All other uses are discouraged.

### 1.3. Details of the supplier of the safety data sheet

**Supplier**

KLEEN PURGATIS GmbH

Street address

Dieselstraße 10

32120 Hiddenhausen

Germany

Telephone

+49 (0) 5223 9970-40

Email

info@kleen-purgatis.de

Fax

+49 (0) 5223 9970-195

Web site

www.kleenpurgatis.de

**Contact person**

Regulatory Affairs

**Email address**

info@kleen-purgatis.de

### 1.4. Emergency telephone number

+49 (0) 551 - 19240 (GIZ-Nord)

**Available outside office hours**

Yes

# Long Life Deo

Version number: 6  
 Issued: 2021-11-25  
 Replaces SDS: 2021-01-18



KLEEN  
PURGATIS

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Supplemental hazard statements

EUH208

### 2.2. Label elements

#### Supplemental hazard statements

**EUH208 Contains ## missing phrase ## (P00.00004070.10410). May produce an allergic reaction.**

#### Precautionary statements

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

P333 +P313 If skin irritation or rash occurs: Get medical advice/attention.

### 2.3. Other hazards

This mixture does not contain any substances that are classified as PBT or vPvB according to Article 57 / Annex XIII of the REACH regulation.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Chemical name	CAS No. EC No. REACH No. Index No.	Concentration	Classification	H-phrase M factor acute M factor chronic	Note
Geraniol	106-24-1 203-377-1 01-2119552430-49-xxxx -	0,1 - <1%	Skin Irrit. 2, Skin Sens. 1, Eye Dam. 1	H315, H317, H318 - -	-
Cineole	470-82-6 207-431-5 01-2119967772-24-xxxx -	0,1 - <1%	Flam. Liq. 3, Skin Sens. 1B	H226, H317 - -	-
Alcohols, C12-14, ethoxylated	68439-50-9 - 01-2119487984-16-xxxx -	0,1 - <1%	Acute Tox. 4 - oral, Eye Dam. 1, Aquatic Chronic 3	H302, H318, H412 - -	-

#### Substance additional information

For the complete text of H- / EUH-statements mentioned in this section, see section 16.

# Long Life Deo

Version number: 6  
Issued: 2021-11-25  
Replaces SDS: 2021-01-18



## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### Description of first aid measures

First responders: Pay attention to self-protection.

#### Inhalation

Not applicable .

#### Skin contact

Wash off immediately with plenty of water.

#### Eye contact

In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician if necessary.

#### Ingestion

Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting. Consult a physician if necessary.

#### Information for doctors

For specialist advice physicians should contact the Poisons Information Service.

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

Immediate effects can be expected after long-term exposure.

#### Inhalation

Not applicable .

#### Skin contact

May cause skin irritation.

Itching / rash.

#### Eye contact

May cause eye irritation.

Excessive lachrymation / redness.

#### Ingestion

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

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

Treat symptomatically. For specialist advice physicians should contact the Poisons Information Service.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

The product is not flammable. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

# Long Life Deo

Version number: 6  
Issued: 2021-11-25  
Replaces SDS: 2021-01-18



## **Unsuitable extinguishing media**

Do not use a solid water stream as it may scatter and spread fire.

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

No hazardous decomposition products are known.

## **5.3. Advice for firefighters**

### **Special protective equipment for fire-fighters**

In the event of fire, wear self contained breathing apparatus.

### **Measures in case of fire**

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

## **SECTION 6: Accidental release measures**

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

Wear personal protective equipment. Avoid direct contact with the material / product. Ensure adequate ventilation.

### **6.2. Environmental precautions**

Do not flush into surface water or sanitary sewer system.

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

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

### **6.4. Reference to other sections**

For information on storage and handling see section 7.

For information on exposure and personal protective equipment, see Section 8.

For information on incompatible materials, see Section 10.

For information on disposal see section 13.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

#### **Preventive handling precautions**

Wear personal protective equipment. Avoid direct contact with the material / product. Ensure adequate ventilation, especially in confined areas.

#### **General hygiene**

Wash hands after handling.

When using, do not eat, drink or smoke.

Handle in accordance with good industrial hygiene and safety practice.

# Long Life Deo

Version number: 6  
 Issued: 2021-11-25  
 Replaces SDS: 2021-01-18



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

Store in original container. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Keep away from food, drink and animal feeding stuffs.

Store in a place accessible by authorized persons only.

Storage class according to TRGS 510: 12 (non-flammable liquids)

Storage temperature: 10°C to 40°C

## 7.3. Specific end use(s)

GISCODE: GS0

See section 1.2: Room air freshener

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### DNEL/DMEL

Product/Substance name (CAS No./EC No.)	Type	Exposure	Value	Population	Effects
Geraniol (106-24-1/203-377-1)	DNEL	Chronic (long term) Inhalation	161.6 mg/m <sup>3</sup>	Workers	Systemic
Geraniol (106-24-1/203-377-1)	DNEL	Chronic (long term) Dermal	12.5 mg/kg	Workers	Systemic

#### PNEC/PEC

Product/Substance name (CAS No./EC No.)	Type	Environmental compartment	Value
Geraniol (106-24-1/203-377-1)	PNEC	Freshwater	0.011 mg/l
Geraniol (106-24-1/203-377-1)	PNEC	Sewage Treatment Plant	0.7 mg/l
Geraniol (106-24-1/203-377-1)	PNEC	Sediment (freshwater)	0.115 mg/kg
Geraniol (106-24-1/203-377-1)	PNEC	Soil	0.017 mg/kg

### 8.2. Exposure controls

#### Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas.

According to Regulation (EC) No 1907/2006

# Long Life Deo

Version number: 6  
Issued: 2021-11-25  
Replaces SDS: 2021-01-18



## **Eye / face protection**

Safety glasses with side-shields conforming to EN166

## **Hand protection**

Wear chemical-resistant disposable protective gloves according to EN 374.

## **Other skin protection**

This type of personal protective equipment is not necessary under normal and foreseeable use of the product.

## **Respiratory protection**

This type of personal protective equipment is not necessary under normal and foreseeable use of the product.

## **Thermal hazards**

Not applicable

## **Environmental exposure controls**

No special environmental precautions required.

## **SECTION 9: Physical and chemical properties**

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

#### **Physical state**

Liquid

#### **Colour**

Colourless

#### **Odour**

fresh scent

#### **Odour threshold**

Not determined for the mixture.

#### **Melting point / freezing point**

Not determined for the mixture.

#### **Boiling point or initial boiling point and boiling range**

Not determined for the mixture.

#### **Flammability**

Not applicable.

#### **Lower and upper explosion limit**

The product / mixture has no explosive properties.

#### **Flash point**

> 80 °C

According to Regulation (EC) No 1907/2006

# Long Life Deo

Version number: 6  
Issued: 2021-11-25  
Replaces SDS: 2021-01-18



KLEEN  
PURGATIS

## Auto-ignition temperature

Not applicable.

## Decomposition temperature

Not determined for the mixture.

## pH

7.5

## Kinematic viscosity

Not determined for the mixture.

## Solubility

Water soluble

## Water solubility

completely miscible

## Partition coefficient n-octanol/water

Not determined for the mixture.

## Vapour pressure

Not determined for the mixture.

## Density and/or relative density

1,00 g/ml

## Relative vapour density

Not determined for the mixture.

## Evaporation Rate

Not determined for the mixture.

## Explosive properties

The product / mixture has no explosive properties.

## Oxidising properties

The product / mixture has no oxidizing properties.

## VOC %

5.09 %

## 9.2. Other information

This product / mixture does not contain any nanomaterials or nanoforms as defined in Regulation (EC) 1907/2006.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable at normal conditions

According to Regulation (EC) No 1907/2006

# Long Life Deo

Version number: 6  
 Issued: 2021-11-25  
 Replaces SDS: 2021-01-18



## 10.2. Chemical stability

The product is chemically stable.

## 10.3. Possibility of hazardous reactions

None under normal use.

## 10.4. Conditions to avoid

Protect from frost, heat and sunlight.

## 10.5. Incompatible materials

Not applicable .

## 10.6. Hazardous decomposition products

For information on combustion products, see Section 5.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

Based on the available data, the classification criteria are not met.

Toxicology data for the components :

Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Test animals
Alcohols, C12-14, ethoxylated 68439-50-9 /	LD50	<2.000 mg/kg	Oral	rat

#### Skin corrosion/irritation

May cause skin irritation.

#### Serious eye damage/irritation

May cause eye irritation.

#### Germ cell mutagenicity

Based on available data, the classification criteria are not met.

#### Mutagenicity

Based on the available data, the classification criteria are not met.

#### Carcinogenicity

Based on the available data, the classification criteria are not met.

#### Reproductive toxicity

Based on the available data, the classification criteria are not met.



# Long Life Deo

Version number: 6  
 Issued: 2021-11-25  
 Replaces SDS: 2021-01-18

**STOT-single exposure**

Based on the available data, the classification criteria are not met.

**STOT-repeated exposure**

Based on the available data, the classification criteria are not met.

**Aspiration hazard**

Based on the available data, the classification criteria are not met.

**11.2. Information on other hazards****Endocrine disrupting properties**

The mixture / product does not contain any ingredients with endocrine disrupting properties in terms of regulations (EC) 1907/2006 and (EU) 2018/605 and the delegated regulation (EU) 2017/2100.

**SECTION 12: Ecological information****12.1. Toxicity****Acute fish toxicity**

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
Geraniol 106-24-1 / 203-377-1	LC 50	22 mg/l	96 h	Fisch
Geraniol 106-24-1 / 203-377-1	EC 50	10,8 mg/l	48 h	Invertebrates.
Cineole - Eucalyptol 470-82-6 / 207-431-5	LC50	95,4 mg/L	96h	Pimephales promelas (fathead minnow)

**Acute algae toxicity**

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
Geraniol 106-24-1 / 203-377-1	ErC 50	13,1 mg/l	72 h	algae

**Micro-/macro organism toxicity**

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
Geraniol	EC 50	70 mg/l	30 min	Microorganisms

# Long Life Deo

Version number: 6  
 Issued: 2021-11-25  
 Replaces SDS: 2021-01-18



Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
106-24-1 / 203-377-1				

## 12.2. Persistence and degradability

### Persistence and degradability

The surfactants contained in this mixture / product meet the requirements for biodegradability in accordance with Regulation (EC) No. 648/2004 on detergents.

## 12.3. Bioaccumulative potential

### Bioaccumulative potential

Not available

## 12.4. Mobility in soil

### Mobility

Not available

## 12.5. Results of PBT and vPvB assessment

This mixture does not contain any substances that are classified as PBT or vPvB according to Article 57 / Annex XIII of the REACH regulation.

## 12.6. Endocrine disrupting properties

The mixture / product does not contain any ingredients with endocrine disrupting properties in terms of regulations (EC) 1907/2006 and (EU) 2018/605 and the delegated regulation (EU) 2017/2100.

## 12.7. Other adverse effects

### Other adverse effects

This product / mixture does not contain any substances within the meaning of Regulation (EC) No. 1005/2009 that deplete the ozone layer.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal considerations

waste disposal accordance with applicable local/regional/national/international regulations .

#### Packaging

Do not re-use empty containers. Empty containers should be taken for local recycling, recovery or waste disposal.

Contaminated packaging : Dispose of as unused product.

Waste code	Description
20 01 30	detergents other than those mentioned in 20 01 29

Please note - an asterisk (\*) next to a code denotes that it is HAZARDOUS WASTE.

# Long Life Deo

Version number: 6  
Issued: 2021-11-25  
Replaces SDS: 2021-01-18



## SECTION 14: Transport information

### 14.1. UN number

Not classified as dangerous in the meaning of transport regulations.

### 14.2. UN proper shipping name

Not classified as dangerous in the meaning of transport regulations.

### 14.3. Transport hazard class(es)

#### Label

Not classified as dangerous in the meaning of transport regulations.

### 14.4. Packing group

Not classified as dangerous in the meaning of transport regulations.

### 14.5. Environmental hazards

#### Environmental hazards

Not classified as dangerous in the meaning of transport regulations.

### 14.6. Special precautions for user

Handle in accordance with good industrial hygiene and safety practice.

### 14.7. Maritime transport in bulk according to IMO instruments

Not classified as dangerous in the meaning of transport regulations.

### Other

Not applicable

According to Regulation (EC) No 1907/2006

# Long Life Deo

Version number: 6  
Issued: 2021-11-25  
Replaces SDS: 2021-01-18



## SECTION 15: Regulatory information

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

#### EU regulations

Regulation (EC) No. 1272/2008 (CLP)

EU Regulation (EC) No. 1907/2006 (REACH)

Substances subject to authorization according to Annex XIV: not applicable

Substance restrictions according to Annex XVII: not applicable

Substances on the REACH candidate list (SVHC): not applicable

Regulation (EU) No. 528/2012 (BPR)

Active ingredients: not applicable

Regulation (EU) 2019/1148 (explosives)

Restricted raw material according to Annex I: not applicable

Notifiable raw materials according to Annex II: not applicable

Directive 2011/65 / EU (ROHS 2)

Substance restrictions according to Annex II: not applicable

Regulation (EU) 2019/1021 (POP)

Persistent organic pollutants: not applicable

Directive 2012/18/EU (Seveso III)

Seveso hazard category: not applicable

#### National regulations

In addition, comply with all national and local regulations for the handling of chemicals.

#### Other regulations, limitations and legal regulations

Take note of Dir 94/33/EC on the protection of young people at work.

### 15.2. Chemical safety assessment

The mixture has not been subjected to a safety assessment.

## SECTION 16: Other information

#### Changes to previous revision

Adaptation to the amending regulation (EU) 2020/878

# Long Life Deo

Version number: 6  
Issued: 2021-11-25  
Replaces SDS: 2021-01-18



KLEEN  
PURGATIS

## **Abbreviations**

ADN - Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure  
ADR - Accord relatif au transport international des marchandises Dangereuses par Route  
CAS - Chemical Abstract Service  
CLP - Classification, Labelling and Packaging  
DMEL - Derived Minimum Effect Level  
DNEL - Derived no effect level  
EC50 - Half maximal effective concentration 50%  
GHS - Globally Harmonised System  
IATA - International Air Transport Association  
IMDG - International Maritime Dangerous Goods  
LC50 - Lethal concentration 50%  
LD50 - Lethal dosis 50 %  
MARPOL - International Convention for the Prevention of Pollution from Ships  
PBT - Persistent, bioaccumulative and toxic substance  
PEC - Predicted Environmental Concentration  
PNEC - predicted no effect concentration  
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals  
RID - Reglement concernant le transport international ferroviaire de marchandises Dangereuses  
SVHC - Substance of very high concern  
vPvB - Very persistent, very bioaccumulative substance

## **References to key literature and data sources**

REACH registration dossiers  
ECHA C&L - Inventory  
Safety data sheets from raw material suppliers

## **Evaluation methods for classification**

Classification for mixtures and used evaluation method according to Article 9 of regulation (EC) 1272/2008 [CLP]:  
Health hazards: calculation method

## **Phrase meaning**

Skin Irrit. 2 - Skin irritation, hazard category 2  
Skin Sens. 1 - Skin sensitisation, hazard category 1  
Eye Dam. 1 - Serious eye damage, hazard category 1  
Flam. Liq. 3 - Flammable liquids, hazard category 3  
Skin Sens. 1B - Skin sensitisation, hazard category 1, sub-category 1B  
Acute Tox. 4 - oral - Acute toxicity, oral, hazard category 4  
Aquatic Chronic 3 - Hazardous to the aquatic environment — Chronic hazard category 3  
H226 Flammable liquid and vapour.  
H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H412 Harmful to aquatic life with long lasting effects.

According to Regulation (EC) No 1907/2006

# Long Life Deo

Version number: 6  
Issued: 2021-11-25  
Replaces SDS: 2021-01-18



## Other

### **Additional information**

This safety data sheet is prepared in accordance with Commission Regulation (EU) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878.

### **Manufacturer's notes**

Legal disclaimer: The above information is believed to be correct. This company shall not be held liable for any damage resulting from handling or from contact with the above product.