

# SAFETY DATA SHEET



Handelsname: Oleylalkohol

Print Date: 6. January 2021

Version: 1.1, revision date: 02.01.2021

Replaced version: 1.0 created on: 22.03.2019

Region: EN

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

### 1.1. Product identifier

#### Product name / Trade name

Oleylalkohol

CAS Number: 143-28-2  
EC number: 205-597-3  
Registration number 01-2119489408-24-0001

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

#### Application of the substance / the mixture

Initial product for chemical reactions  
Intermediate  
Surface active agent  
Cosmetic auxiliary  
Cosmetic Active Agent  
Metal working fluid  
Lubricant  
Additive for cosmetic or pharmaceutic preparations  
Plasticiser

#### Uses advised against

No further relevant information available.

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

#### Company

SysKem Chemie GmbH  
Brucknerweg 26  
D-42289 Wuppertal

Telephone +49 (0) 202/30999510  
Telefax +49 (0) 202/87088403  
E-mail address info@syskem.de

#### Prepared by / E-mail address of person responsible for the SDS

info@syskem.de

### 1.4. Emergency telephone number

Vergiftungs-Informations-Zentrale Freiburg, Tel. +49 761 19240.

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008

The substance is not classified according to the CLP regulation.

### 2.2. Label elements

#### Labelling according to Regulation (EC) No 1272/2008

Void

#### Hazard pictograms

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## Signal word

Void

## Hazard statements

Void

## 2.3. Other hazards

### Results of PBT and vPvB assessment

The substance is not classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

#### Chemical characterisation:

Substances Oleyl alcohol ( (Z)-Octadec-9-enol )

#### CAS No.

143-28-2

#### Description

(Z)-Octadec-9-enol

#### Identification number(s)

EC number: 205-597-3

#### SVHC

The product does not contain any substances of very high concern (SVHC).

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information:

No special measures required.

#### After inhalation:

Supply fresh air; consult doctor in case of complaints.

#### After skin contact:

Generally the product does not irritate the skin.  
Wash with water and soap and rinse thoroughly.  
If skin irritation continues, consult a doctor.

#### After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.  
After swallowing: If symptoms persist consult doctor.

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

No further relevant information available.

### 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

#### Extinguishing media

CO 2 , powder or water spray. Fight larger fires with water spray or alcohol resistant foam.  
Use fire extinguishing methods suitable to surrounding conditions.

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## **For safety reasons unsuitable extinguishing agents:**

Water with full jet

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

No further relevant information available.

### **5.3. Advice for firefighters**

#### **Protective equipment:**

Wear self-contained respiratory protective device.

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

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

Not required.

### **6.2. Environmental precautions**

No special measures required.

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

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

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

No dangerous substances are released.

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

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

No special measures required.

#### **Information about fire - and explosion protection:**

No special measures required.

#### **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

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

#### **Requirements to be met by storerooms and receptacles:**

Suitable material for receptacles and pipes: Stainless steel.

Store only in the original receptacle.

#### **Information about storage in one common storage facility:**

Not required.

#### **Further information about storage conditions:**

None.

#### **Maximum storage temperature:**

40°C

#### **Storage class:**

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**7.3. Specific end use(s)**

No further relevant information available.

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:**

Not required.

**DNELs**

|            |      |   |
|------------|------|---|
| Oral       | DNEL | 75 mg/kg bw/d (general population)  |
| Dermal     | DNEL | 75 mg/kg bw/d (general population)<br>125 mg/kg bw/d (worker)               |
| Inhalative | DNEL | 65 mg/m <sup>3</sup> (general population)<br>220 mg/m <sup>3</sup> (worker) |

**PNECs**

|                               |   |
|-------------------------------|---|
| PNEC – aquatic                | 1.56 µg/l (freshwater)                                    |
| PNEC – Sediment               | 4,800 µg/kg dw (freshwater)<br>480 µg/kg dw (marinewater) |
| PNEC – soil                   | 4 mg/kg dw (-)  |
| PNEC - Sewage treatment plant | 11 µg/l (-)   |

**Additional information:**

The lists valid during the making were used as basis.

**8.2. Exposure controls****Personal protective equipment:****Respiratory protection:**

Not required.

**Protection of hands:**

Protective gloves

**Material of gloves:**

Nitrile rubber

**Penetration time of glove material**

Glove material: Nitrile rubber

Layer thickness: 0.40 mm

Penetration time: &gt; 480 min (Level 6)

Glove material: Nitrile rubber

Layer thickness: 0.10 mm

Penetration time: ≥ 30 min and &lt; 60 min (Level 2)

**For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable:**

Nitrile rubber ( i.e. KCL 730-Nitrile glove Camatril®)

**As protection from splashes gloves made of the following materials are suitable:**

Nitrile rubber (i.e. KCL 740 nitrile disposable gloves Dermatril®)

**Eye protection:**

Safety glasses

**Body protection:**

Protective work clothing



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**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

|  |   |
|--|---|
| Physical state                             | : Liquid  |
| Colour                                     | : Colourless                                    |
| Odour                                      | : Specific type                                 |
| Odour threshold                            | : Not determined                                |
| pH   | : Not determined                                |
| Relative evaporation rate (butylacetate=1) | : Not determined.                               |
| Melting point                              | : 2 – 12 °C                                     |
| Boiling point                              | : 333 °C  |
| Setting temperature / range:               | : 2 – 12 °C                                     |
| Flash point                                | : > 100 °C                                      |
| Ignition temperature                       | : > 270 °C                                      |
| Auto-ignition temperature                  | : Not determined.                               |
| Decomposition temperature                  | : Not determined.                               |
| Flammability (solid, gas)                  | : Not applicable                                |
| Vapour pressure                            | : 0.0002 hPa at 20 °C                           |
| Relative vapour density at 20 °C           | : Not determined.                               |
| Relative density                           | : Not determined.                               |
| Density                                    | : 0.83 – 0.84 g/cm <sup>3</sup> at 20 °C        |
| Solubility                                 | : 0.00004 g/l                                   |
| Log Pow                                    | : 7.07  |
| Viscosity                                  |   |
| • Viscosity, kinematic                     | : 100 °C: 3.4 - 4 mm <sup>2</sup> /s            |
| • Viscosity, dynamic                       | : Not determined.                               |
| Explosive properties                       | : Product does not present an explosion hazard. |
| Oxidising properties                       | : Not oxidizing.                                |
| Explosive limits                           | : Not determined                                |

**9.2. Other information**

|                 |         |
|-----------------|---------|
| Surface tension | 65 mN/m |
|-----------------|---------|

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No further relevant information available.

**10.2. Chemical stability**

No decomposition if used according to specifications.

**10.3. Possibility of hazardous reactions**

Reacts with oxidising agents.

**10.4. Conditions to avoid**

No further relevant information available.

**10.5. Incompatible materials**

No further relevant information available.

**10.6. Hazardous decomposition products**

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No dangerous decomposition products known.



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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

|            |      |   |
|------------|------|---|
| Oral       | LD50 | > 5,000 mg/kg (rat)   |
| Dermal     | LD50 | > 2,000 mg/kg (rat)   |
| Inhalative | LD50 | > 0.02 ppm (rat) (calculation of saturated vapours)<br>calculated value based on saturated vapours at ambient temperature |
|            | LC50 | > 375 mg/l (rat)<br>read across Tetradecanol  |

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

#### Primary irritant effect:

##### Skin corrosion/irritation

No irritant effect.

##### Serious eye damage/irritation

No irritant effect.

#### Respiratory or skin sensitisation

No sensitizing effects known.

#### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

##### Germ cell mutagenicity

|   |   |
|---|---|
| Genotoxicity – AMES-Test                          | (Salmonella Typhimurium) (OECD 471)<br>negative |
| Genotoxicity - Mammalian Cell Gene Mutation Assay | (-) (OECD 476)<br>negative (read across)        |
| Genotoxicity - Micronucleus assay                 | (mouse) (OECD 474)<br>negative (read across)    |
| Genotoxicity - Chromosome aberration assay        | (-) (OECD 473)<br>negative (read across)        |

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

#### Carcinogenicity

not carcinogenic

#### Reproductive toxicity

|      |                                |   |
|------|--------------------------------|---|
| Oral | Developmental toxicity - NOAEL | 2,000 mg/kg (rat) (OECD 422)<br>read across |
|      | Reproductive toxicity - NOAEL  | 1,000 mg/kg (rat)                           |

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

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

#### Repeated dose toxicity

|      |       |   |
|------|-------|---|
| Oral | NOAEL | > 1,000 mg/kg (rat) (OECD 407)<br>read across |
|------|-------|---|



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**SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity:**

No toxic effects were observed below the water solubility.

|                           |                                 |
|---------------------------|---------------------------------|
| EC50                      | 250 mg/l (alga)                 |
|                           | 70 mg/l (daphnia) (92/69/ECC)   |
| LC50 (static)             | > 10,000 mg/l (fish) (OECD 203) |
| Long term toxicity - LOEC | 2.94 mg/l (daphnia)             |

**12.2 Persistence and degradability**

Easily biodegradable  
Method OECD 301B  
Analysing method CO 2 -Evolution  
Degree of elimination: 87 %  
Classification: readily biodegradable

**12.3 Bioaccumulative potential**

No further relevant information available.

**12.4 Mobility in soil**

No further relevant information available.

**12.5 Results of PBT and vPvB assessment**

The substance is not classified as PBT or vPvB.

**12.6 Other adverse effects****Ecotoxicological effects:**

|                             |   |
|-----------------------------|---|
| Terrestrial toxicity - LC50 | > 1,500 mg/kg dw (earth worm)<br>read across Tetradecanol |
| Sediment toxicity - LC50    | > 3,800 mg/kg dw (ostracods)<br>read across Tetradecanol  |

**Bacteria inhibition EC 20 (mg/l according to ISO 8192 B):**  
EC20 > 10,000 mg/l (bacteria)

**Additional ecological information:****General notes:**

Generally hazardous for water

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Recommendation**

On the basis of the necessary technical regulations and after consultation with the disposal agent and the relevant authorities, can be disposed of with domestic waste or incinerated with domestic waste.  
Smaller quantities can be disposed of with household waste.

**Uncleaned packaging:****Recommendation:**

Disposal must be made according to official regulations.





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## SECTION 14: Transport information

### 14.1 UN number

Not regulated as a dangerous good

### 14.2 UN proper shipping name

Not regulated as a dangerous good

### 14.3 Transport hazard class(es)

Not regulated as a dangerous good

### 14.4 Packing group

Not regulated as a dangerous good

### 14.5 Environmental hazards

Not regulated as a dangerous good

### 14.6 Special precautions for user

Not applicable

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

## SECTION 15: Regulatory information

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

**Toxic Substances Control Act (TSCA):** Substance is listed.

**Philippines Inventory of Chemicals and Chemical Substances (PICCS):** Substance is listed.

**Inventory of Existing Chemical Substances in China (IECSC):** Substance is listed.

**Australian Inventory of Chemical Substances (AICS):** Substance is listed.

**Existing and New Chemical Substances (ENCS, Japan):** 2-258

**Korean Existing Chemical Inventory (KECI):** KE-26527

**Canadian Domestic Substances List (DSL):** Substance is listed.

**Existing Chemical Substances Inventory (ECSI, Taiwan):** Substance is listed.

**New Zealand Inventory of Chemicals (NZIC):** Substance is listed.

**Labelling according to Regulation (EC) No 1272/2008**

Void

**Directive 2012/18/EU**

**Named dangerous substances - ANNEX I**

Substance is not listed.

**National regulations:**

**Substances of very high concern (SVHC) according to REACH, Article 57**

The product does not contain any substances of very high concern (SVHC).

### 15.2. Chemical Safety Assessment

A Chemical Safety Assessment has been carried out.



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## SECTION 16: Other information

### Further information

The information in this data sheet is based on the knowledge available to us on the date of the latest version. The user must ensure the suitability and completeness of the information in relation to the specific product use.

This document must not be interpreted as a guarantee of any specific product properties.

Given that the product's use is not within our direct control, the user is obliged and it is their responsibility to comply with current laws and provisions on the matter of hygiene and safety. All responsibility is denied for improper use.

Provide suitable training to staff responsible for using chemical products

### Department issuing SDS:

Product Safety

### Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

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)

ISO: International Organisation for Standardisation

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

NOAEL: No observed adverse effect level

NOAEC: No observed adverse effect concentration

LOAEL: Lowest observed adverse effect level

LOAEC: Lowest observed adverse effect concentration

NOEL: No observed effect level

NOEC: No observed effect concentration

LOEC: Lowest observed effect concentration

BCF: Bio concentration factor

EC50: Effect concentration, 50 percent