



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

### 1.1 Product identifier

**Trade name:** Oil of cedar leaf artificial

**Article number:** 3291

**Registration number** Mixture - Registration numbers of the components, see Chapter 3

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

**Application of the substance / the mixture**

Laboratory chemical

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

**Manufacturer/Supplier:**

Carl Roth GmbH + Co. KG

Schoemperlenstraße 3-5

76185 Karlsruhe

Germany

Telefon: +49/(0)721 5606-0

Telefax: +49/(0)721 5606-149

E-Mail: sicherheit@carlroth.de

**Further information obtainable from:** Department Health, Safety and Environment

### 1.4 Emergency telephone number:

Poison Centre Munich

Telefon +49/(0)89 19240

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

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

Flam. Liq. 3      H226 Flammable liquid and vapour.

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

Aquatic Chronic 2      H411 Toxic to aquatic life with long lasting effects.

Acute Tox. 4      H302 Harmful if swallowed.

Skin Sens. 1      H317 May cause an allergic skin reaction.

**Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

Xn; Harmful

R22-65: Harmful if swallowed. Harmful: may cause lung damage if swallowed.

Xi; Sensitising

R43: May cause sensitisation by skin contact.

N; Dangerous for the environment

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R10: Flammable.

**Information concerning particular hazards for human and environment:**

This product is hazardous according to EEC directives 67/548/EEC and 1999/45/EC.

**Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

### 2.2 Label elements

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

The product is classified and labelled according to the CLP regulation.

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**Trade name: Oil of cedar leaf artificial**

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**Hazard pictograms**

GHS02

GHS07

GHS08

GHS09

**Signal word** Danger**Hazard-determining components of labelling:**

Thuya occidentalis, ext.  
Terpenes of sage oil

**Hazard statements**

H226 Flammable liquid and vapour.  
H302 Harmful if swallowed.  
H317 May cause an allergic skin reaction.  
H304 May be fatal if swallowed and enters airways.  
H411 Toxic to aquatic life with long lasting effects.

**Precautionary statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P280 Wear protective gloves / eye protection / face protection.  
P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

**Additional information:**

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**2.3 Other hazards**

All chemicals are potentially dangerous. They are therefore only be handled by specially trained personnel with the necessary care.

**Results of PBT and vPvB assessment**

**PBT:** Not applicable.  
**vPvB:** Not applicable.

## SECTION 3: Composition/information on ingredients

**3.2 Chemical characterisation: Mixtures**

**Description:** Mixture of substances listed below with nonhazardous additions.

**Dangerous components:**

CAS: 90131-58-1 EINECS: 290-370-1	Thuya occidentalis, ext. ☒ Xn R22-65; ☒ Xi R43; ☒ N R51/53 R10 ----- ☒ Flam. Liq. 3, H226; ☒ Asp. Tox. 1, H304; ☒ Aquatic Chronic 2, H411; ☒ Acute Tox. 4, H302; Skin Sens. 1, H317	25 -50%
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**Trade name: Oil of cedar leaf artificial**

		(Contd. of page 2)
CAS: 8007-20-3 EINECS: 290-370-1	Oil of cedar leaf Xn R22-65; Xi R43; N R51/53 R10 Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Acute Tox. 4, H302; Skin Sens. 1, H317	10 - 25%
CAS: 93384-40-8 EINECS: 297-250-8	Terpenes of sage oil Xn R22-65; Xi R43; N R51/53 R10 Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Acute Tox. 4, H302; Skin Sens. 1, H317	25 - 50%

**Additional information:** For the wording of the listed risk phrases refer to section 16.

## SECTION 4: First aid measures



### 4.1 Description of first aid measures

**General information:**

Remove any clothing soiled by the product.

**After inhalation:**

Supply fresh air and to be sure call for a doctor.

**After skin contact:**

Immediately rinse with water.

Seek medical treatment in case of complaints.

**After eye contact:**

Rinse opened eye for 10 minutes under running water. Then consult a doctor.

**After swallowing:**

Rinse out mouth and drink a glass of water. Do not induce vomiting.

In case of spontaneous vomiting: Risk of aspiration. Pulmonary failure possible.

Call for a doctor immediately.

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

We have no description of any toxic symptoms.

### 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:**

Use fire extinguishing methods suitable to surrounding conditions.

CO<sub>2</sub>, sand, extinguishing powder. Do not use water.

**For safety reasons unsuitable extinguishing agents:**

Water with full jet

Water

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

Forms explosive mixtures with air on intense heating.

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In the event of fire development of hazardous combustion gases or vapours possible.

In case of fire, the following can be released:

Carbon monoxide and carbon dioxide

**5.3 Advice for firefighters****Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

**Additional information**

Vapours heavier than air. Beware of reignition.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

Prevent fire-fighting water from entering surface water or groundwater.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Keep away from ignition sources.

Do not breathe vapour/spray.

Avoid contact with the eyes and skin.

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

**6.2 Environmental precautions**

Do not allow product to reach sewage system or any water course.

Keep contaminated washing water and dispose of appropriately.

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

Absorb with liquid-binding material (e.g. Rotisorb® Art.-Nr. 1710.1).

Dispose of the material collected according to regulations.

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 disposal information.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

Keep containers, equipment and working place clean.

Prevent formation of aerosols.

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

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

**7.2 Conditions for safe storage, including any incompatibilities****Storage:****Requirements to be met by storerooms and receptacles:**

Store only in the original receptacle.

Prevent any seepage into the ground.

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

Store away from foodstuffs.

**Further information about storage conditions:**

Keep container tightly sealed.

**Recommended storage temperature:**

According to product specification.

**7.3 Specific end use(s)**

No further relevant information available.

**SECTION 8: Exposure controls/personal protection**

**Additional information about design of technical facilities:**

No further data; see item 7.

**8.1 Control parameters**

**Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**Additional information:**

The lists valid during the making were used as basis.

**8.2 Exposure controls**

**Personal protective equipment:**

**General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.  
Do not inhale gases / fumes / aerosols.  
Avoid contact with the eyes and skin.

**Individual protection measures**

Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the respective supplier.

**Respiratory protection:**



Required when vapours/aerosols are generated. Filter A (colour code: brown).

**Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

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**Material of gloves**

Nitrile, thickness: 0,4 mm

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material**Value for the permeation: Level  $\geq 6$ 

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**As protection from splashes gloves made of the following materials are suitable:**Nitrile rubber, thickness:  $\geq 0.11$  mmValue for the permeation: Level  $\geq 6$ **Eye protection:**

Tightly sealed goggles

**Body protection:**

Protective work clothing

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

<b>Form:</b>	Fluid
<b>Colour:</b>	Yellow-brown
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	No information available.

**pH-value:** No information available.

**Change in condition**

<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	Undetermined.

**Flash point:** 51 °C

**Flammability (solid, gaseous):** No information available

**Ignition temperature:** No information available

**Decomposition temperature:** No information available

**Self-igniting:** Product is not self-igniting.

**Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures is possible.

**Explosion limits:**

<b>Lower:</b>	No information available.
<b>Upper:</b>	No information available.
<b>Oxidizing properties:</b>	No information available.

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<b>Vapour pressure:</b>	No information available
<b>Density at 20 °C:</b>	0.9 g/cm <sup>3</sup>
<b>Relative density</b>	No Information available.
<b>Vapour density</b>	No information available
<b>Evaporation rate</b>	No information available
<b>Solubility in / Miscibility with water:</b>	Not miscible or difficult to mix.
<b>Partition coefficient (n-octanol/water):</b>	No information available
<b>Viscosity:</b>	
<b>Dynamic:</b>	No information available.
<b>Kinematic:</b>	No information available.
<b>9.2 Other information</b>	No further relevant information available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Forms explosive mixtures with air on intense heating.  
Fumes can combine with air to form an explosive mixture.

### 10.2 Chemical stability

#### Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

### 10.3 Possibility of hazardous reactions

No information available.

### 10.4 Conditions to avoid

No Information available.

### 10.5 Incompatible materials:

No Information available.

### 10.6 Hazardous decomposition products:

In case of fire: see item 5.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity:

#### **LD/LC50 values relevant for classification:**

Quantitative data on the toxicity of this product are not available.

#### Primary irritant effect:

##### **on the skin:**

Risk of skin sensitization.

##### **on the eye:**

No information available.

##### **after inhalation:**

No information available.

#### **Sensitisation:**

Sensitisation possible through skin contact.

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**CMR effects:****Germ cell mutagenicity:**

No Information available.

**Carcinogenicity:**

No Information available.

**Reproductive toxicity:**

No Information available.

**Aspiration hazard:**

May be fatal if swallowed and enters airways.

**Specific target organ toxicity - single exposure**

The substance or mixture is not classified as specific target organ toxicant, single exposure.

**Specific target organ toxicity - repeated exposure**

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

**Additional toxicological information:**

We have no description of any toxic symptoms.

**Further information:**

The product should be handled with the care usual when dealing with chemicals.

## SECTION 12: Ecological information

**12.1 Toxicity****Aquatic toxicity:**

Quantitative data on the ecological effect of this product are not available.

**12.2 Persistence and degradability**

No Information available.

**12.3 Bioaccumulative potential**

No Information available.

**12.4 Mobility in soil**

No further relevant information available.

**Ecotoxicological effects:****Remark:**

Do not allow to enter waters, waste water, or soil!

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Also poisonous for fish and plankton in water bodies.

**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

**Waste treatment methods****Recommendation**

This material and its container must be disposed of as hazardous waste.

The disposal is regionally differently regulated, therefore the kind of disposal is to be inquired at the responsible authorities.

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Trade name: Oil of cedar leaf artificial

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Uncleaned packaging:

Recommendation:

Disposal according to official regulations.

### SECTION 14: Transport information

**14.1 UN-Number**

ADR, IMDG, IATA

UN1993

**14.2 UN proper shipping name**

ADR

1993 FLAMMABLE LIQUID, N.O.S. (not viscous)  
(Terpenes of sage oil, Oil of cedar leaf),  
ENVIRONMENTALLY HAZARDOUS

IMDG

FLAMMABLE LIQUID, N.O.S. (Terpenes of sage oil,  
Oil of cedar leaf), MARINE POLLUTANT

IATA

FLAMMABLE LIQUID, N.O.S. (Terpenes of sage oil,  
Oil of cedar leaf)**14.3 Transport hazard class(es)**

ADR, IMDG

Class  
Label3 Flammable liquids.  
3

IATA

Class  
Label3 Flammable liquids.  
3**14.4 Packing group**

ADR, IMDG, IATA

III

**14.5 Environmental hazards:**Product contains environmentally hazardous  
substances: Thuya occidentalis, ext., Oil of cedar leaf

Marine pollutant:

Symbol (fish and tree)

Special marking (ADR):

Symbol (fish and tree)

**14.6 Special precautions for user**

Warning: Flammable liquids.

Danger code (Kemler):

30

EMS Number:

F-E,S-E

**14.7 Transport in bulk according to Annex II of  
MARPOL73/78 and the IBC Code**

Not applicable.

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**Trade name: Oil of cedar leaf artificial**

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**Transport/Additional information:****ADR****Limited quantities (LQ)**

5L

**Excepted quantities (EQ)**

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

**Transport category**

3

**Tunnel restriction code**

D/E

**IMDG****Limited quantities (LQ)**

5L

**Excepted quantities (EQ)**

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

**UN "Model Regulation":**UN1993, FLAMMABLE LIQUID, N.O.S. (not viscous)  
(Terpenes of sage oil, Oil of cedar leaf),  
ENVIRONMENTALLY HAZARDOUS, 3, III**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations:****Information about limitation of use:** Employment restrictions concerning juveniles must be observed.**Breakdown regulations:****Waterhazard class:**

Water hazard class 2 (Self-assessment): hazardous for water.

**15.2 Chemical safety assessment**

A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Relevant phrases**

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

R10 Flammable.

R22 Harmful if swallowed.

R43 May cause sensitisation by skin contact.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65 Harmful: may cause lung damage if swallowed.

**Department issuing MSDS:** Department: Health, Safety and Environment**Contact:** Herr Heine**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)

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## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 30.10.2014

Version number 1

Revision: 30.10.2014

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IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)

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

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

LD50\*: Lethal Dose, 50 percent (Not relevant for classification)

LD50\*: Lethal Concentration, 50 percent (Not relevant for classification)

Flam. Liq. 3: Flammable liquids, Hazard Category 3

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

Asp. Tox. 1: Aspiration hazard, Hazard Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2

**\* Data compared to the previous version altered.**