

**Safety Data Sheet**  
**according to 1907/2006/EC, Article 31**

Date of issue: 07.06.2018

Version: 1

Printing date: 07.06.2018

## 1. Identification of the substance/mixture and of the company/undertaking

### Product Identifier

**Trade name:** OliSil Adhesive

**Use of the preparation:** Dental product

**Details of the supplier of the safety data sheet:**

**Manufacturer/supplier:**

Olident Sp. z o.o., Sp. k.

Podłęże 653

32-003 Podłęże

+48 690449318 (10 am – 4 pm)

[info@olident.com](mailto:info@olident.com)

## 2. Hazards identification

### Classification of the substance or mixture

#### Classification according to Regulation (EC) 1272/2008:

Flamable Liquid 2 H225 Highly flammable liquid and vapor.

Eye irritant 2 H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

Category 2 H373 Specific target organ toxicity - repeated exposure

Category 2 H373 Specific target organ toxicity repeated exposure, teratogenic for foetus, in pregnancy, on embryo. Category 2 H315 Skin corrosion / skin irritation

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

F flammable

Xi irritant

Harmful: danger of serious damage for health by prolonged exposure through inhalation.

May potentially harm the unborn child.

Vapours may cause drowsiness and dizziness.

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

The product is subject to classification according to the calculation method of the "General Classification guideline for preparations of the EU" in the latest valid version.

#### Label elements:

Labeling according to Regulation (EC) 1272/2008

Hazard pictograms:



**Signal word:** Danger

#### Hazard statements:

H225 Highly flammable liquid and vapor.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness and dizziness.

H361d Suspected of damaging the unborn child.

H373 May cause damage to organs through pro-longer or repeated exposure.

#### Safety instruction:

P210 Keep away from heat / sparks / open flames / hot surfaces. Do not smoke nearby.

P243 Take precautionary measures against static discharges.

P271 Use only outdoors or in well-ventilated areas only.

P280 Wear protective, clothes, keep eye protection and face protection.  
 P303 + P361 + P353 IF ON SKIN (or hair): Wash off by soap, soaked  
 Take off clothing immediately. Wash skin with plenty of water / shower.  
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes.  
 Remove contact lenses, if possible. Continue rinsing.  
 P312 Call a POISON CENTER / inform medical help center if you you feel unwell  
 P304 + P340 IF INHALED: Remove aggrieved to fresh air and keep at rest in the most position comfortable for breathing.  
 P302 + P352 IF ON SKIN: Wash with plenty of soap / water.  
 P332 + P313 If skin irritation occurs: Get medical advice or medical help.  
 P370 + P378 In case of fire: Use water mist, carbon dioxide or alcohol-resistant foam for extinction.  
 P403 + P235 Keep in a cool, well-ventilated place.  
 P501 Dispose of contents, container to disposal / after total allocate use discard in accordance with the disposal instructions (container)

**Hazardous ingredients:**

(Labelling): toluene / methylbenzene

**Additional information:**

EUH066 Repeated exposure may cause skin dryness or cracking, brittle skin

**Other hazards:**

Results of PBT and vPvB assessment: Not applicable

**3. Composition/Information of Ingredients**

**Chemical characterization:**

**Description:**

Mixture of ethyl acetate (ethyl acetate) C<sub>4</sub>H<sub>8</sub>O<sub>2</sub> + alkyl silicone resin + solvent

**Hazardous ingredients:**

Type	CAS no.	EG-No. / REACH-No.	Substance	Content%	Classification * Comment
	141-78-6	205-500-4	ethyl acetate	50	
INHA	108-88-3	203-625-9 / 01-2119471310-51	toluene	> 12.5 - <25	F, Xn; R11-38-48 / 20-63-65-67 Repr. 2; H361d STOT RE 2; H373 STOT SE 3; H336 Skin Irrit. 2; H315 Asp. Tox. 1; H304 Flam. Liq. 2; H225

Type: INHA: Ingredient

[1] = health or environmentally hazardous substance; [2] = substance subject to a Community workplace exposure limit; [3] = PBT substance; [4] = vPvB substance; [5] = SVHC candidate (substance of very high concern).

**4. First-aid measures**

**General information:** Remove contaminated clothing immediately. Take affected person to safety place to the fresh air. Remember to keep protection measures for rescuers. Observe the self-protection of the first aider. In Pregnant contact for a medical advice. After directly contact with substance call to doctor because vapors can cause dizziness. Do not leave affected persons without surveillance.

**after skin contact:** Take off soiled or soaked clothing. Immediately wash for 10-15 minutes with plenty of water or soap and water. For large of quantities immediately go under the emergency shower. Call a doctor and name the substance exactly.

**after eye contact:** Immediately rinse with plenty of water for 10-15 minutes. Keep eyelids well open to rinse the entire surface of the eye with eyelids with water. Call a doctor and name the substance exactly.

**after swallowing:** Drink a lot of water in small portions, but only if the person is conscious. Do not

induce vomiting. Call your doctor and name the substance exactly.

**Most important symptoms and effects, both acute and delayed:**

Irritating to skin, eyes and respiratory system; May cause headache, drowsiness; nausea; dizziness; lack of coordination of movements; anesthesia; Loss of consciousness.

**Indication of any immediate medical attention and special treatment to aggrieved:**

The product may have a harmful effect on fertility (an effect damaging the fetus or impaired reproductive activity of a woman or a man). After the exposure, a specialist consultation is recommended.

**5. Fire fighting measures**

**Extinguishing media:**

**Extinguishing agents:**

CO<sub>2</sub>, extinguishing powder or water spray. Fight with a larger fire with water spray or alcohol resistant foam.

**For safety reasons unsuitable extinguishing agents:**

Do not use water in full jet

**Special hazards arising from the substance or mixture:**

Formation of explosive vapor / air mixtures possible. Incomplete combustion may produce CO. Vapors are sometimes heavier than air and spread on the ground. Inflammation possible over a longer distance.

Do not inhale explosion or combustion gases.

Exposure to combustion products can be a health hazard! Hazardous combustion products: carbon oxides, silicon oxides, incompletely burned hydrocarbons, toxic and very toxic fumes. Upon combustion, strong soot evolution

**Advice for fire-fighters:**

Special protective equipment for fire-fighters:

Wear full protective suit with self-contained breathing apparatus. Keep on unprotected people away

**More information**

Fire residues and contaminated extinguishing water must be disposed of in accordance with official regulations.

Cool endangered close containers with water spray.

Fire class: B

Temperature class (DIN 57165): T 2

Explosion group (DIN 57165): II A

**6. Accidental release measures**

**Personal precautions:** Wear personal protective equipment Keep unprotected people away.

Extinguish naked flames. Remove ignition sources. Do not smoke. Avoid sparks. Avoid contact with skin, eyes and clothes. Avoid inhalation of mists and vapors. Ventilate affected areas thoroughly. Take precautionary measures against electrostatic charge. If material has been released, draw attention to the risk of slipping.

**Environmental precautions:** Do not allow to enter into the waters, sewage and soil. If leaking fluid with suitable material (e.g., soil). Hold contaminated water / extinguishing water dispose of in properly labeled containers.

In case of penetration into waters or sewers, inform immediately competent authorities.

**Methods for cleaning up:** Do not wash away with water. Ensure adequate ventilation.

Pick up mechanically and dispose of properly. For small quantities: With liquid-binding material, use diatomite, Dispose of contaminated material as waste according to section 13. Ground need to be dike it's necessary to safety leak substation to containers.

Additional information: Eliminate sources of ignition.

**Additional information:** There is a danger of explosion.

Relevant information in other sections must be observed. This applies in particular to information on personal protective equipment (section 8) and disposal (section 13).

**7. Handling and storage**

**Conditions for safe storage, including any incompatibilities:**

Keep container tightly closed and store in a cool, well-ventilated place. (<25 ° C).

Requirements for storerooms and containers:

Observe laws and regulations for the storage and use of substances hazardous to water. Suitable material for tanks and pipelines: steel or stainless steel.

Store in a cool place.

Ensure good ventilation / exhaust at the work or storage area.

**Storage instructions:**

Do not store together with food. Observe joint storage bans of the Regulation on Flammable Liquids (VbF).

Further information about the storage conditions:

Keep container tightly closed and store in a cool, well-ventilated place.

Ensure adequate ventilation.

**Storage class:**

3 Flammable liquids (TRGS 510, storage of hazardous substances in portable containers)

Classification according to Betriebssicherheitsverordnung (BetrSichV) =safety regulation in the workplaces.

Flammable

**Specific end uses:**

No further relevant information available.

## 8. Physical and chemical properties

**Appearance:**

<b>Form:</b>	liquide
<b>Color:</b>	colorless
<b>Odor:</b>	strongly aromatic, fruit-like
	Value Unit Method

**Information on change in the physical state**

**Melting point/melting range:** -84 ° C (DIN 51751)

**Boiling point/boiling range:** 76 - 78 ° C (DIN 53757)

**Flash point:** -4 ° C (DIN 51755)

**Autoignition temperature:** 460 ° C (DIN 51794)

**Explosion hazard:**

**Explosion limits:**

**lower:** 1.2% by volume

**upper:** 11.5% by volume

**Density:** 0,95 (20°C) g/cm<sup>3</sup>

**Vapor pressure:** 100 mbar

**Viscosity:** liquid

**pH:** n.a.

**Solubility in/miscibility with:**

**Water:** practically insoluble

**Content of solvents:** 50%

**Organic solvents:** ethyl acetate

## 9. Stability and reactivity

**Reactivity:**

**Chemical stability:**

**Conditions to avoid:**

To avoid: heat, flames, sparks

**Possibility of hazardous reactions:**

On reaction of oxidizing agents violent reaction.

**Conditions to avoid:**

**Incompatible materials:**

strong acids strong alkalis (bases) strong oxidizing agents

**Hazardous decomposition products:**

acetic acid

Upon thermal decomposition, various substances may be formed whose exact composition depends

on the conditions of decomposition.

At fire formation of carbon monoxide CO and carbon dioxide CO<sub>2</sub>.

For the amount of silicone present in substance: measurements have shown that at temperatures above about 150 °C by oxidative degradation, a small amount of formaldehyde is eliminated.

Further information: Attacks many plastics and dissolves them.

## 10. Toxicological information

### Persistence and degradability:

Fast photochemical oxidation in the air.

Organic solvent (s): Easily biodegradable. Silicone content: Not biodegradable. Elimination by adsorption on activated sludge.

### Data on ingredients:

#### Toluene:

Easily biodegradable.

ethyl acetate:

Fully biodegradable.

**Bioaccumulative potential: Bioaccumulation is potentially possible.**

### Mobility in soil:

Insoluble in water.

General information:

Keep out of groundwater, waterways or sewers.

Water hazard class:

2 (VwVwS (Germany) of 27.07.2005, Annex 4)

### Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

### Other adverse effects:

No further relevant information available.

## 11. Disposal considerations

### The user is advised that other local regulations

can exist over a disposal.

### Product

Recommendation:

Must not be disposed together with household garbage. Do not empty into drains.

Must be subjected to special treatment in accordance with official regulations.

### Waste code:

Since 1.1.1999, the waste code numbers are not only product-related but essentially application-specific. The waste code number valid for the application can be found in the European Waste Catalog.

Uncleaned packaging

### Recommendation:

Disposal according to official regulations.

Completely empty and purify reconditioning or reprocessing. Caution: Residues in the containers may pose an explosion hazard. Do not cut, puncture or weld uncleaned containers.

## 12. Transport information

**Rating: Dangerous goods**

**UN number: UN 1294, UN 1173**

**UN proper shipping name: 1294 toluene, solution, 1173 ETHYLACETATE**

**Transport hazard classes:**

**Land transport ADR / RID:**

Rating: Dangerous goods

UN No .: 1294, 1173

Designation: toluene, solution, ETHYLACETATE

Class: 3

Label: 33

Packing group: II

**Sea transport IMDG code:**

Rating: Dangerous goods

UN No .: 1294, 1173

Designation: Toluene solution, ETHYL ACETATE

Class: 3

Label: 33

Packing group: II

**Air transport ICAO-TI / IATA-DGR:**

Rating: Dangerous goods

UN No .: 1294, 1173

Designation: Toluene solution, ETHYL ACETATE

Class: 3

Label: 33

Packing group: II

**Environmental hazards:** Not applicable.

**Transport in bulk according to Annex II of the**

**MARPOL 73/78 and IBC Code:** Not applicable.

**Transportation / further information:**

**ADR**

**Limited Quantity (LQ)** 1L

**Transport category** 2

**Tunnel restriction code** D / E

**UN "Model Regulation":** UN1173, ETHYL ACETATE, 3, II

**13. Other information:**

**Changes compared with the previous version:**

Adaptation according to 1907/2006/EG, Article 31

The above information is based on our present day knowledge and relates solely to the safety requirements of the product. The data do not signify any warranty with regards to products properties. However users of the product should satisfy themselves that the information given is sufficient and correct for their specific circumstances of use.