

Trade name: adOPT Lamp Adoption Spray

Version: 1 / GB

Date revised: 13.12.2022

Substance number: R-27450

Replaces Version: - / GB

Print date: 13.12.2022

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

### **1.1. Product identifier**

adOPT Lamp Adoption Spray

#### **Registration no.**

UFI JQ0F-M2F2-K00M-PEM9

#### **Substance / product identification**

PR-No. 27450

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

#### **Use of the substance/preparation**

Aerosol, scent marking

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

#### **Address/Manufacturer**

Albert Kerbl GmbH

Felizenzell 9

84428 Buchbach

Telephone no. +49 8086 933-100

Fax no. +49 8086 933-500

Information provided by / telephone Albert Kerbl GmbH Tel.: 0049-(0)8086-933-104 Email: bm@kerbl.com

E-mail address of person responsible info@kerbl.com

for this SDS

### **1.4. Emergency telephone number**

Joint poison information center for the states of Mecklenburg-Western Pomerania, Saxony, Saxony-Anhalt and Thuringia c/o HELIOS Klinikum Erfurt Nordhäuser Strasse 74

Tel.: (03 61) 73 07 30 - Fax: (03 61) 7 30 73 17

E-Mail: ggiz@ggiz-erfurt.de - Internet: www.ggiz-erfurt.de

For England (NHS 111) call: 111

For Scotland (NHS24) call: 111

For Wales (NHS Direct) call: 111

When it's less urgent than: 999

For Northern Ireland call: GP Out-of-Hours (www.gpoutofhours.hscni.net)

## **SECTION 2: Hazards identification**

### **2.1. Classification of the substance or mixture**

#### **Classification (Regulation (EC) No. 1272/2008)**

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

Aerosol 1

H222

H229

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

### **2.2. Label elements**

#### **Labelling according to regulation (EC) No 1272/2008**

Trade name: adOPT Lamp Adoption Spray

Version: 1 / GB

Date revised: 13.12.2022

Substance number: R-27450

Replaces Version: - / GB

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**Hazard pictograms****Signal word**

Danger

**Hazard statements**

H222 Extremely flammable aerosol.  
 H229 Pressurized container: may burst if heated.

**Precautionary statements**

P102 Keep out of reach of children.  
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P211 Do not spray on an open flame or other ignition source.  
 P251 Do not pierce or burn, even after use.  
 P403 Store in a well-ventilated place.  
 P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

**2.3. Other hazards**

No special hazards have to be mentioned.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Hazardous ingredients****methanol**

CAS No.	67-56-1
EINECS no.	200-659-6
Concentration	>= 1 < 3 %
Classification (Regulation (EC) No. 1272/2008)	
	Flam. Liq. 2 H225
	Acute Tox. 3 H301
	Acute Tox. 3 H311
	Acute Tox. 3 H331
	STOT SE 1 H370

Concentration limits (Regulation (EC) No. 1272/2008)

	STOT SE 1	H370	>= 10 %
	STOT SE 2	H371	>= 3 < 10 %
cATpE	oral	100	mg/kg
cATpE	dermal	300	mg/kg
cATpE	inhalative, Dust/Mist	0,5	mg/l
cATpE	inhalative, Vapors	3	mg/l

**allyl alcohol**

CAS No.	107-18-6
EINECS no.	203-470-7
Concentration	>= 0,1 < 1 %
Classification (Regulation (EC) No. 1272/2008)	
	Flam. Liq. 2 H225
	Acute Tox. 3 H301
	Acute Tox. 3 H311
	Acute Tox. 3 H331

Trade name: adOPT Lamp Adoption Spray

Version: 1 / GB

Date revised: 13.12.2022

Substance number: R-27450

Replaces Version: - / GB

Print date: 13.12.2022

Skin Irrit. 2	H315
Eye Irrit. 2	H319
STOT SE 3	H335
Aquatic Acute 1	H400

cATpE	oral	100	mg/kg
cATpE	dermal	300	mg/kg
cATpE	inhalative, Dust/Mist	0,5	mg/l
cATpE	inhalative, Vapors	3	mg/l

**Further ingredients****ethanol**

CAS No.	64-17-5			
EINECS no.	200-578-6			
Registration no.	01-2119457610-43-XXXX			
Concentration		>=	50	%
Advice:	[3]			
Classification (Regulation (EC) No. 1272/2008)				
	Flam. Liq. 2		H225	

**Petroleum gases, liquefied; Petroleum gas**

CAS No.	68476-85-7					
EINECS no.	270-704-2					
Concentration		>=	25	<=	40	%
Classification (Regulation (EC) No. 1272/2008)						
	Flam. Gas 1		H220			
	Press. Gas					

Additional remarks:

CLP Regulation (EC) No 1272/2008, Annex VI, Note K, S, U  
 DSD Directive 67/548/EEC, Annex I, Note H, K, S

**Note**

[3] Substance with occupational exposure limits

**Other information**

Complete text of hazard statements in chapter 16

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

Remove contaminated clothing immediately and dispose of safely. In case of persistent symptoms consult doctor.

**After inhalation**

Ensure supply of fresh air. In the event of symptoms take medical treatment.

**After skin contact**

Take off contaminated clothing. Wash skin with plenty of soap and water.

**After eye contact**

Separate eyelids, wash the eyes thoroughly with water (15 min.). Remove contact lenses. Continue rinsing. In case of persistent symptoms consult doctor.

**After ingestion**

In case of persistent symptoms consult doctor.

**Adhere to personal protective measures when giving first aid**

First aider: Pay attention to self-protection!

Trade name: adOPT Lamp Adoption Spray

Version: 1 / GB

Date revised: 13.12.2022

Substance number: R-27450

Replaces Version: - / GB

Print date: 13.12.2022

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

Until now no symptoms known so far.

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

##### **Hints for the physician / hazards**

Treat symptomatically.

### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

##### **Suitable extinguishing media**

Dry powder, Carbon dioxide, Sand

##### **Non suitable extinguishing media**

Full water jet

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

In case of combustion evolution of dangerous gases possible.

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

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

Use self-contained breathing apparatus (EN133). Wear protective clothing.

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

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

Ensure adequate ventilation. Take action to prevent static discharges. Use explosion-proof equipment/fittings and non-sparking tools. Keep away sources of ignition.

#### **6.2. Environmental precautions**

Prevent spread over a wide area (e.g. by containment or oil barriers).. Do not discharge into the subsoil/soil.

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

Pick up rest with suitable absorbent materials. Do not pick up with the help of saw-dust or other combustible substances. Containers in which spilt substance has been collected must be adequately labelled. Dispose of as prescribed.

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

Refer to protective measures listed in Sections 7 and 8.

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

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

##### **Advice on safe handling**

Observe the usual precautions for handling chemicals. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using. Follow legal protection and safety regulations. Personal protective equipment: see chapter 8. Use only in well-ventilated areas. Observe safety references and application instructions mentioned on can. Keep away from sources of ignition!

##### **Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

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

##### **Requirements for storage rooms and vessels**

Trade name: adOPT Lamp Adoption Spray

Version: 1 / GB

Date revised: 13.12.2022

Substance number: R-27450

Replaces Version: - / GB

Print date: 13.12.2022

Store in a cool and dry place.

### Hints on storage assembly

Do not store with strong oxidizing agents.

### Storage classes

Storage class according to TRGS 510    2B                      Aerosol dispensers

### Further information on storage conditions

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

## 7.3. Specific end use(s)

Aerosol, scent marking

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Other information

There are not known any further control parameters.

### 8.2. Exposure controls

#### General protective and hygiene measures

Do not smoke during work time. Do not inhale gases/vapours/aerosols. Do not eat or drink during work time. Storage of foodstuffs in work rooms is forbidden. Take off immediately all contaminated clothing. Wash hands before breaks and after work.

#### Respiratory protection

If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn.

#### Hand protection

Low-temperature-resistant gloves

Gloves should be selected according to the use and duration of use at the workplace.

Hand protection must comply with EN 374.

#### Eye protection

Safety glasses with side protection shield; Eye protection must comply with EN 166.

#### Body protection

Clothing as usual in the chemical industry. Fire-resistant antistatic protective clothing

## SECTION 9: Physical and chemical properties

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

<b>Physical state</b>	Aerosol
<b>Colour</b>	colourless
<b>Odour</b>	sweetish
<b>Melting point</b>	
Remarks	not determined

<b>Freezing point</b>	
Remarks	not determined

<b>Boiling point or initial boiling point and boiling range</b>	
Remarks	not determined

<b>Flammability</b>	
Remarks	not determined

<b>Upper and lower explosive limits</b>	
Remarks	not determined

Trade name: adOPT Lamp Adoption Spray

Version: 1 / GB

Date revised: 13.12.2022

Substance number: R-27450

Replaces Version: - / GB

Print date: 13.12.2022

**Flash point**

Value &lt; 40

**Ignition temperature**

Remarks not determined

**Decomposition temperature**

Remarks not determined

**pH value**

Remarks not determined

**Viscosity**

Remarks not determined

**Solubility(ies)**

Remarks not determined

**Partition coefficient n-octanol/water (log value)**

Remarks not determined

**Vapour pressure**

Value 2 bar

**Density and/or relative density**

Remarks not determined

**Relative vapour density**

Remarks not determined

**9.2. Other information****Odour threshold**

Remarks not determined

**Evaporation rate (ether = 1) :**

Remarks not determined

**Solubility in water**

Remarks not determined

**Explosive properties**

evaluation not determined

**Oxidising properties**

Remarks not determined

**Other information**

None known

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

No hazardous reactions when stored and handled according to prescribed instructions.

**10.2. Chemical stability**

No hazardous reactions known.

**10.3. Possibility of hazardous reactions**

No dangerous reactions when stored and handled according to instructions.

**10.4. Conditions to avoid**

Protect from heat/overheating. Keep away from: Flames and sparks

**10.5. Incompatible materials**

Trade name: adOPT Lamp Adoption Spray

Version: 1 / GB

Date revised: 13.12.2022

Substance number: R-27450

Replaces Version: - / GB

Print date: 13.12.2022

Strong acids. Strong bases, Strong oxidising agents, Reducing agents

**10.6. Hazardous decomposition products**

Carbon dioxide, Carbon monoxide, nitrous oxides (NOx)

**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity**

ATE	2.631,57 89	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)	

**Acute dermal toxicity**

ATE	7.894,73 68	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)	

**Acute inhalational toxicity**

ATE	78,9474	mg/l
Administration/Form	Vapors	
Method	calculated value (Regulation (EC) No. 1272/2008)	
ATE	13,1579	mg/l
Administration/Form	Dust/Mist	
Method	calculated value (Regulation (EC) No. 1272/2008)	

**Skin corrosion/irritation**

Remarks	Spray will evaporate and cool rapidly and may cause frostbite or cold burns if in contact with skin.
Remarks	Prolonged and frequent contact may cause redness and irritation. Dryness and/or cracking.

**Serious eye damage/irritation**

Remarks	Eye contact with the product may lead to irritation.
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**Sensitization**

Remarks	Based on available data, the classification criteria are not met.
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**Subacute, subchronic, chronic toxicity**

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

Remarks	Based on available data, the classification criteria are not met.
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**Reproductive toxicity**

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

Remarks	Based on available data, the classification criteria are not met.
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**Specific Target Organ Toxicity (STOT)**

Remarks	Based on available data, the classification criteria are not met.
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**11.2 Information on other hazards****Endocrine disrupting properties with respect to humans**

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

**Other information**

Overexposure to organic solvents may depress the central nervous system, causing dizziness and intoxication and, at very high concentrations, unconsciousness and death. Arrhythmia (deviation from normal heart beat).

Trade name: adOPT Lamp Adoption Spray

Version: 1 / GB

Date revised: 13.12.2022

Substance number: R-27450

Replaces Version: - / GB

Print date: 13.12.2022

Has a degreasing effect on the skin!

## **SECTION 12: Ecological information**

### **12.1. Toxicity**

#### **General information**

The product is not expected to be hazardous to the environment.

### **12.2. Persistence and degradability**

#### **General information**

not determined

### **12.3. Bioaccumulative potential**

#### **General information**

not determined

#### **Partition coefficient n-octanol/water (log value)**

Remarks not determined

### **12.4. Mobility in soil**

#### **General information**

not determined

### **12.5. Results of PBT and vPvB assessment**

#### **General information**

not determined

### **12.6 Endocrine disrupting properties**

#### **Endocrine disrupting properties with respect to the environment**

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

### **12.7. Other adverse effects**

#### **General information**

The product contains volatile organic compounds (VOCs) which have a photochemical ozonecreation potential.

#### **General information / ecology**

Do not discharge product unmonitored into the environment.

## **SECTION 13: Disposal considerations**

### **13.1. Waste treatment methods**

#### **Disposal recommendations for the product**

EWC waste code 16 05 04\* gases in pressure containers (including halons) containing dangerous substances

The waste key number should be determined in consultation with the consumer, the manufacturer and the disposal company. Also observe local official regulations.

#### **Disposal recommendations for packaging**

Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.

## **SECTION 14: Transport information**

Trade name: adOPT Lamp Adoption Spray




Version: 1 / GB

Date revised: 13.12.2022

Substance number: R-27450

Replaces Version: - / GB

Print date: 13.12.2022

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
Tunnel restriction code	D		
14.7. Transport in bulk according to Annex II of Marpol and the IBC Code		Not applicable	
14.1. UN number	1950	1950	1950
14.2. UN proper shipping name	AEROSOLS	AEROSOLS	Aerosols, flammable
14.3. Transport hazard class(es)	2	2.1	2.1
Label			
Limited Quantity	1 l		
Transport category	2		
14.5. Environmental hazards	-		-

### Information for all modes of transport

#### 14.6. Special precautions for user

none

### Other information

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

Not applicable

## SECTION 15: Regulatory information

### 15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

## SECTION 16: Other information

### Hazard statements listed in Chapter 3

H225	Highly flammable liquid and vapour.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H370	Causes damage to organs.
H400	Very toxic to aquatic life.

### CLP categories listed in Chapter 3

Trade name: adOPT Lamp Adoption Spray

Version: 1 / GB

Date revised: 13.12.2022

Substance number: R-27450

Replaces Version: - / GB

Print date: 13.12.2022

Acute Tox. 3  
Aquatic Acute 1  
Eye Irrit. 2  
Flam. Liq. 2  
Skin Irrit. 2  
STOT SE 1  
STOT SE 3

Acute toxicity, Category 3  
Hazardous to the aquatic environment, acute, Category 1  
Eye irritation, Category 2  
Flammable liquid, Category 2  
Skin irritation, Category 2  
Specific target organ toxicity - single exposure, Category 1  
Specific target organ toxicity - single exposure, Category 3

**Supplemental information**

Relevant changes compared with the previous version of the safety data sheet are marked with: \*\*\*

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship. Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.