

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**OLI-AQUA ECO 1K Mehrschichtlack 18.25-Glanzgrad**

Print date: 29.11.2016

Product code: A04100

Page 1 of 7

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

OLI-AQUA ECO 1K Mehrschichtlack 18.25-Glanzgrad

**Further trade names**

OLI-AQUA ECO  
18.25 1K Mehrschichtlack  
diverse Glanzgrade

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

Colour

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

Company name:	Oli Lacke GmbH	
Street:	Bahnhofstrasse 22	
Place:	D-09244 Lichtenau	
Telephone:	+49(0)37208/84200	Telefax: +49(0)37208/84268
e-mail:	entwicklung@oli-lacke.de	
Internet:	www.oli-lacke.de	

**1.4. Emergency telephone**

Gemeins. Gifinformationszentrum Erfurt

**number:**

+49(0)361/730730

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

This mixture is not classified as hazardous according to Regulation (EC) No. 1272/2008.

**2.2. Label elements****Regulation (EC) No. 1272/2008****Special labelling of certain mixtures**

EUH208 Contains 1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one. May produce an allergic reaction.  
EUH210 Safety data sheet available on request.

**2.3. Other hazards**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

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

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
111-76-2	2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether			5 - < 10 %
	203-905-0	603-014-00-0	01-2119475108-36	
	Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2; H302 H312 H332 H315 H319			

Full text of H and EUH statements: see section 16.

**SECTION 4: First aid measures**

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

**OLI-AQUA ECO 1K Mehrschichtlack 18.25-Glanzgrad**

Print date: 29.11.2016

Product code: A04100

Page 2 of 7

**4.1. Description of first aid measures****General information**

When in doubt or if symptoms are observed, get medical advice.  
Never give anything by mouth to an unconscious person or a person with cramps.  
If unconscious place in recovery position and seek medical advice.

**After inhalation**

Remove casualty to fresh air and keep warm and at rest.  
If breathing is irregular or stopped, administer artificial respiration.

**After contact with skin**

Immediately remove any contaminated clothing, shoes or stockings.  
After contact with skin, wash immediately with plenty of water and soap.  
Do not wash with: Solvents/Thinner

**After contact with eyes**

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing.  
Seek medical advice immediately.

**After ingestion**

If swallowed, rinse mouth with water (only if the person is conscious).  
Call a physician immediately.  
Put victim at rest, cover with a blanket and keep warm.  
Do NOT induce vomiting.

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

Impaired consciousness

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

Call a physician immediately.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

alcohol resistant foam, Carbon dioxide (CO<sub>2</sub>), Extinguishing powder, Water mist

**Unsuitable extinguishing media**

Full water jet

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

Burning produces heavy smoke.  
Hazardous decomposition products: carbon black. Danger of serious damage to health by prolonged exposure.  
Use appropriate respiratory protection.

**5.3. Advice for firefighters**

Use water spray jet to protect personnel and to cool endangered containers.  
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

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

Contains: Solvent - Keep away from sources of ignition. - No smoking. Ventilate affected area.  
Avoid breathing dust/fume/gas/mist/vapours/spray.  
Safe handling: see section 7  
Personal protection equipment: see section 8

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains.  
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## OLI-AQUA ECO 1K Mehrschichtlack 18.25-Glanzgrad

Print date: 29.11.2016

Product code: A04100

Page 3 of 7

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

Prevent spread over a wide area (e.g. by containment or oil barriers). Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).  
Collect in closed and suitable containers for disposal. Disposal: see section 13  
Clean with detergents. Avoid solvent cleaners.

### 6.4. Reference to other sections

See chapter 8.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Contains: Solvent - In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop. Only use the material in places where open light, fire and other flammable sources can be kept away. Use explosion-proof electrical equipment.

Never use pressure to empty container. Keep/Store only in original container. Do not allow to enter into surface water or drains. Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

Avoid contact with skin, eyes and clothes. Avoid: Inhalation of vapours or spray/mists, Inhalation of dust/particles. When using do not eat, drink or smoke.

#### Advice on protection against fire and explosion

Solvent - Vapours are heavier than air, spread along floors and form explosive mixtures with air.

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

#### Requirements for storage rooms and vessels

Store in accordance with: Betriebssicherheitsverordnung (BetrSichV)

#### Advice on storage compatibility

Do not store together with: Oxidising agent, Strong acid, Strong alkali

#### Further information on storage conditions

Notice the directions for use on the label.

storage temperature of °C 5 up to °C 30

Contains: Solvent - Keep container tightly closed in a cool, well-ventilated place. Protect from sunlight. Keep away from sources of ignition. - No smoking. Store in a place accessible by authorized persons only. Always close containers tightly after the removal of product.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
111-76-2	2-Butoxyethanol	25	123		TWA (8 h)	WEL
		50	246		STEL (15 min)	WEL

#### Biological Monitoring Guidance Values (EH40)

CAS No	Substance	Parameter	Value	Test material	Sampling time
111-76-2	2-Butoxyethanol	butoxyacetic acid	240 mmol/mol	urine	Post shift

### 8.2. Exposure controls

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## OLI-AQUA ECO 1K Mehrschichtlack 18.25-Glanzgrad

Print date: 29.11.2016

Product code: A04100

Page 4 of 7

### Appropriate engineering controls

Provide adequate ventilation.

If handled uncovered, arrangements with local exhaust ventilation should be used if possible.

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

### Eye/face protection

Wear eye/face protection.

### Hand protection

Wear suitable gloves. Replace when worn. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. See information supplied by the manufacturer.

Suitable material: NBR (Nitrile rubber).

Use protective skin cream before handling the product.

### Skin protection

Wear anti-static footwear and clothing (Natural fibres (e.g. cotton) / heat-resistant synthetic fibres)

### Respiratory protection

Respiratory protection necessary at: exceeding exposure limit values.

Use suitable breathing apparatus.

### Environmental exposure controls

Do not allow to enter into surface water or drains.

## SECTION 9: Physical and chemical properties

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

Physical state: liquid

Colour:

pH-Value (at 20 °C):

Test method

7-9

### Changes in the physical state

Flash point:

> 60 °C DIN EN ISO 1523

Lower explosion limits:

1,1 vol. %

Upper explosion limits:

10,6 vol. %

Ignition temperature:

240 °C

Vapour pressure:

31,6 hPa

(at 20 °C)

Density (at 20 °C):

1,01 g/cm³ ISO 2811

Flow time:

verarbeitungsfertig

(at 20 °C)

Solvent separation test:

< 3 %

Solvent content:

7,8 %

### 9.2. Other information

Solid content:

28,4 %

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## OLI-AQUA ECO 1K Mehrschichtlack 18.25-Glanzgrad

Print date: 29.11.2016

Product code: A04100

Page 5 of 7

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

refer to chapter 7. No further action is necessary.

#### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

#### 10.3. Possibility of hazardous reactions

Exothermic reaction with: Oxidising agent, Strong acid, Strong alkali

#### 10.4. Conditions to avoid

In case of warming: Formation of: Hazardous decomposition products

#### 10.5. Incompatible materials

No data available

#### 10.6. Hazardous decomposition products

Nitrogen oxides (NOx), carbon black, Carbon dioxide (CO<sub>2</sub>), Carbon monoxide.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity

CAS No	Chemical name			
	Exposure route	Dose	Species	Source
111-76-2	2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether			
	oral	LD50 470 mg/kg	Rat	
	dermal	ATE 1100 mg/kg		
	inhalative vapour	ATE 11 mg/l		
	inhalative aerosol	ATE 1,5 mg/l		

##### Practical experience

##### Observations relevant to classification

Following inhalation:

Adverse human health effects and symptoms: May cause respiratory irritation. May cause damage to liver if inhaled. May cause damage to kidneys if inhaled. Central nervous system depression.

Symptoms: Headache, Dizziness, Drowsiness, Unconsciousness

After eye contact:

Irritating to eyes. (reversible.)

Following skin contact:

The product is skin resorptive. Prolonged or repeated skin contact may cause removal of natural fat from the skin resulting in dermatitis (skin inflammation).

##### Further information

There are no data available on the mixture itself.

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

Reference to other sections: 2, 3

### SECTION 12: Ecological information

#### 12.1. Toxicity

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## OLI-AQUA ECO 1K Mehrschichtlack 18.25-Glanzgrad

Print date: 29.11.2016

Product code: A04100

Page 6 of 7

CAS No	Chemical name				
	Aquatic toxicity	Dose	[h]   [d]	Species	Source
111-76-2	2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether				
	Acute fish toxicity	LC50	1490 mg/l	96 h	Lepomis macrochirus

### 12.2. Persistence and degradability

No data available

### 12.3. Bioaccumulative potential

#### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
111-76-2	2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether	0,81 (25°C)

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

### 12.6. Other adverse effects

No data available

### Further information

There are no data available on the mixture itself.  
Do not allow to enter into surface water or drains.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Advice on disposal

Do not allow to enter into surface water or drains.  
Dispose according to legislation.

#### Waste disposal number of waste from residues/unused products

080112 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish other than those mentioned in 08 01 11

#### Waste disposal number of used product

080112 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish other than those mentioned in 08 01 11

#### Waste disposal number of contaminated packaging

080112 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish other than those mentioned in 08 01 11

#### Contaminated packaging

Completely emptied packages can be recycled.  
Dispose according to legislation.

## SECTION 14: Transport information

### Land transport (ADR/RID)

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**OLI-AQUA ECO 1K Mehrschichtlack 18.25-Glanzgrad**

Print date: 29.11.2016

Product code: A04100

Page 7 of 7

**Other applicable information (land transport)**

No dangerous good in sense of these transport regulations.

**Inland waterways transport (ADN)****Other applicable information (inland waterways transport)**

No dangerous good in sense of these transport regulations.

**Marine transport (IMDG)****Other applicable information (marine transport)**

No dangerous good in sense of these transport regulations.

**Air transport (ICAO)****Other applicable information (air transport)**

No dangerous good in sense of these transport regulations.

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

**14.6. Special precautions for user**

refer to chapter 7. No further action is necessary.

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

not applicable

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

2004/42/EC (VOC): 79 g/l

**National regulatory information**

Water contaminating class (D): 1 - slightly water contaminating

**Additional information**

Observe in addition any national regulations!

**15.2. Chemical safety assessment**

For this substance a chemical safety assessment is not required.

**SECTION 16: Other information****Relevant H and EUH statements (number and full text)**

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.

**Further Information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*