

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## OLI-BEIZE Brillant 1612

Revision date: 29.05.2019

Product code: A00606

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

#### 1.1. Product identifier

OLI-BEIZE Brillant 1612

#### Further trade names

OLI-Beize Brillant 1612  
diverse Farbtöne

#### 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 number:

Gemeins. Gifinformationszentrum Erfurt  
+49(0)361/730730

### SECTION 2: Hazards identification

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

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

Hazard categories:  
 Flammable liquid: Flam. Liq. 2  
 Serious eye damage/eye irritation: Eye Irrit. 2  
 Specific target organ toxicity - single exposure: STOT SE 3  
 Hazardous to the aquatic environment: Aquatic Chronic 3  
 Hazard Statements:  
 Highly flammable liquid and vapour.  
 Causes serious eye irritation.  
 May cause drowsiness or dizziness.  
 Harmful to aquatic life with long lasting effects.

#### 2.2. Label elements

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

##### Hazard components for labelling

propan-2-ol; isopropyl alcohol; isopropanol  
 1-methoxy-2-propanol; monopropylene glycol methyl ether

Signal word: Danger

##### Pictograms:



##### Hazard statements

|      |  |
|------|--|
| H225 | Highly flammable liquid and vapour.                |
| H319 | Causes serious eye irritation.                     |
| H336 | May cause drowsiness or dizziness.                 |
| H412 | Harmful to aquatic life with long lasting effects. |

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#### 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.                                   |
| P240           | Ground and bond container and receiving equipment.   |
| P243           | Take action to prevent static discharges.  |
| P261           | Avoid breathing dust/fume/gas/mist/vapours/spray.  |
| P273           | Avoid release to the environment.  |
| P280           | Wear protective gloves/protective clothing/eye protection/face protection.   |
| P303+P361+P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.                           |
| P304+P340      | IF INHALED: Remove person to fresh air and keep comfortable for breathing.   |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |

#### Special labelling of certain mixtures

|        |   |
|--------|---|
| EUH208 | Contains C.I.Acid Yellow 220, Chromkomplex. May produce an allergic reaction. |
|--------|---|

#### 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         |             |
|            | GHS Classification  |              |                  |             |
| 67-63-0    | propan-2-ol; isopropyl alcohol; isopropanol   |              |                  | 60 - < 65 % |
|            | 200-661-7   | 603-117-00-0 | 01-2119457558-25 |             |
|            | Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336   |              |                  |             |
| 107-98-2   | 1-methoxy-2-propanol; monopropylene glycol methyl ether   |              |                  | 30 - < 35 % |
|            | 203-539-1   | 603-064-00-3 | 01-2119457435-35 |             |
|            | Flam. Liq. 3, STOT SE 3; H226 H336  |              |                  |             |
| 111-76-2   | 2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether                              |              |                  | 1 - < 5 %   |
|            | 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; H332 H312 H302 H315 H319 |              |                  |             |
| 70851-34-2 | C.I.Acid Yellow 220   |              |                  | < 1 %       |
|            | 274-929-7   |              |                  |             |
|            | Eye Irrit. 2, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1; H319 H317 H400 H410             |              |                  |             |
| 70236-60-1 | Chromkomplex  |              |                  | < 1 %       |
|            | 274-490-1   |              | 01-2120077342-59 |             |
|            | Skin Sens. 1B, Aquatic Chronic 2; H317 H411   |              |                  |             |

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

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

In all cases of doubt, or when symptoms persist, seek 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

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advice.

**After inhalation**

Move victim to fresh air. Put victim at rest and keep warm. In case of irregular breathing or respiratory arrest provide artificial respiration.

**After contact with skin**

Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. Do not wash with: Solvents/Thinner

**After contact with eyes**

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

**After ingestion**

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

**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**

Immediately call a doctor.

**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**

High power 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**

Keep away from sources of ignition - No smoking. Provide adequate ventilation. In case of fire and/or explosion do not breathe fumes. 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. Observe in addition any national regulations! In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

**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). Treat the recovered material as prescribed in the section on waste disposal. Clean with detergents. Avoid solvent cleaners.

**6.4. Reference to other sections**

See section 8.

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

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#### Advice on safe handling

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop. Even after use and until complete evaporation of the flammable components, there is still a danger of an explosive steam-air mixture forming. Only use the material in places where open light, fire and other flammable sources can be kept away. Take precautionary measures against static discharges. Use explosion-proof electrical equipment. Provide earthing of containers, equipment, pumps and ventilation facilities. Wear anti-static footwear and clothing Use only antistatically equipped (spark-free) tools.

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. Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

Never use pressure to empty container. Keep/Store only in original container.

Do not allow to enter into surface water or drains.

#### Advice on protection against fire and explosion

Concentrated vapours are heavier than air. Vapours may form explosive mixtures with air.

#### Further information on handling

Observe in addition any national regulations!

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

##### Requirements for storage rooms and vessels

Betriebssicherheitsverordnung (BetrSichV)

##### Hints on joint storage

Von stark sauren oder alkalischen Materialien oder Oxidationsmitteln fernhalten.

##### Further information on storage conditions

Keep only in the original container in a cool, well-ventilated place. Keep away from heat. Notice the directions for use on the label. 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.

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

Observe technical data sheet.

### 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 |
|----------|----------------------|-----|-------------------|-----------|---------------|--------|
| 107-98-2 | 1-Methoxypropan-2-ol | 100 | 375               |           | TWA (8 h)     | WEL    |
|          |                      | 150 | 560               |           | STEL (15 min) | WEL    |
| 111-76-2 | 2-Butoxyethanol      | 25  | 123               |           | TWA (8 h)     | WEL    |
|          |                      | 50  | 246               |           | STEL (15 min) | WEL    |
| 67-63-0  | Propan-2-ol          | 400 | 999               |           | TWA (8 h)     | WEL    |
|          |                      | 500 | 1250              |           | 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 (creatinine) | 240 mmol/mol | urine         | Post shift    |

#### 8.2. Exposure controls

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#### Appropriate engineering controls

Use only in well-ventilated areas. 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.

#### Protective and hygiene measures

Wash hands before breaks and after work. Do not eat, drink, smoke or sneeze at the workplace.

#### Eye/face protection

Tightly sealed safety glasses.

#### Hand protection

Tested protective gloves are to be worn: NBR (Nitrile rubber). 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. Use protective skin cream before handling the product.

#### Skin protection

Protective clothing: Natural fibres (e.g. cotton) heat-resistant synthetic fibres

#### Respiratory protection

During spraying wear suitable respiratory equipment. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190).

#### 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:

#### Test method

#### Changes in the physical state

Flash point: < 23 °C DIN EN ISO 1523

Lower explosion limits: 2,1 vol. %

Upper explosion limits: 15,0 vol. %

Ignition temperature: 240 °C

Vapour pressure: 48 hPa  
(at 20 °C)

Density (at 20 °C): 0,83 g/cm<sup>3</sup> ISO 2811

Flow time: verarbeitungsfertig  
(at 20 °C)

Solvent separation test: < 3 %

Solvent content: 98 %

### 9.2. Other information

Solid content: 2 %

## 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

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Exothermic reactions with: Alkalis (alkalis), concentrated. Acid, concentrated. Oxidizing agents, strong.

#### **10.4. Conditions to avoid**

Thermal decomposition can lead to the escape of irritating gases and vapours.

#### **10.5. Incompatible materials**

Rubber articles

#### **10.6. Hazardous decomposition products**

Carbon monoxide. Carbon dioxide. Nitrogen oxides (NO<sub>x</sub>).

### SECTION 11: Toxicological information

#### **11.1. Information on toxicological effects**

##### **Acute toxicity**

| CAS No   | Chemical name  |                   |         |        |        |
|----------|--|-------------------|---------|--------|--------|
|          | Exposure route   | Dose              | Species | Source | Method |
| 107-98-2 | 1-methoxy-2-propanol; monopropylene glycol methyl ether            |                   |         |        |        |
|          | oral   | LD50 > 5000 mg/kg | Rat     | IUCLID |        |
|          | dermal   | LD50 11000 mg/kg  | Rabbit  |        |        |
| 111-76-2 | 2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether |                   |         |        |        |
|          | oral   | LD50 470 mg/kg    | Rat     |        |        |
|          | dermal   | ATE 1100 mg/kg    |         |        |        |
|          | inhalation vapour  | ATE 11 mg/l       |         |        |        |
|          | inhalation aerosol   | ATE 1,5 mg/l      |         |        |        |

##### **Irritation and corrosivity**

Irritating to eyes. Vapours may cause drowsiness and dizziness.

##### **Carcinogenic/mutagenic/toxic effects for reproduction**

The components in this formulation do not meet the criteria for classification as CMR category 1 or 2.

##### **Additional information on tests**

There are no data available on the preparation/mixture itself. The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

### SECTION 12: Ecological information

#### **12.1. Toxicity**

There are no data available on the mixture itself.

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| CAS No   | Chemical name  |                        |           |                           |        |        |
|----------|--|------------------------|-----------|---------------------------|--------|--------|
|          | Aquatic toxicity   | Dose                   | [h]   [d] | Species                   | Source | Method |
| 107-98-2 | 1-methoxy-2-propanol; monopropylene glycol methyl ether            |                        |           |                           |        |        |
|          | Acute fish toxicity  | LC50 4600 - 10000 mg/l | 96 h      | Leuciscus idus            | IUCLID |        |
|          | Acute algae toxicity   | ErC50 > 1000 mg/l      | 72 h      | Selenastrum capricornutum |        |        |
|          | Acute crustacea toxicity   | EC50 > 500 mg/l        | 48 h      | Daphnia magna             | IUCLID |        |
| 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**

There are no data available on the mixture itself.

#### **12.3. Bioaccumulative potential**

There are no data available on the mixture itself.

#### **Partition coefficient n-octanol/water**

| CAS No   | Chemical name  | Log Pow     |
|----------|--|-------------|
| 107-98-2 | 1-methoxy-2-propanol; monopropylene glycol methyl ether            | -0,437      |
| 111-76-2 | 2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether | 0,81 (25°C) |

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

There are no data available on the mixture itself.

#### **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**

There are no data available on the preparation/mixture itself.

#### **Further information**

There are no data available on the preparation/mixture itself. The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

### **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**

080111 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 containing organic solvents or other hazardous substances; hazardous waste

##### **Waste disposal number of used product**

080111 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 containing organic solvents or other hazardous substances; hazardous waste

##### **Waste disposal number of contaminated packaging**

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080111 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 containing organic solvents or other hazardous substances; hazardous waste

#### Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

### SECTION 14: Transport information

#### Land transport (ADR/RID)

**14.1. UN number:** UN 1263  
**14.2. UN proper shipping name:** Paint  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
 Hazard label: 3  
 Classification code: F1  
 Special Provisions: 163 367 640D 650  
 Limited quantity: 5 L  
 Excepted quantity: E2  
 Transport category: 2  
 Hazard No: 33  
 Tunnel restriction code: D/E

#### Inland waterways transport (ADN)

**14.1. UN number:** UN 1263  
**14.2. UN proper shipping name:** Paint  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
 Hazard label: 3  
 Classification code: F1  
 Special Provisions: 163 367 640D 650  
 Limited quantity: 5 L  
 Excepted quantity: E2

#### Marine transport (IMDG)

**14.1. UN number:** UN 1263  
**14.2. UN proper shipping name:** Paint  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
 Hazard label: 3  
 Special Provisions: 163, 367  
 Limited quantity: 5 L  
 Excepted quantity: E2  
 EmS: F-E, S-E

#### Air transport (ICAO-TI/IATA-DGR)

**14.1. UN number:** UN 1263  
**14.2. UN proper shipping name:** Paint  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
 Hazard label: 3  
 Special Provisions: A3 A72 A192  
 Limited quantity Passenger: 1 L



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|  |      |      |
|--|------|------|
| Passenger LQ:                          | Y341 |      |
| Excepted quantity:                     | E2   |      |
| IATA-packing instructions - Passenger: |      | 353  |
| IATA-max. quantity - Passenger:        |      | 5 L  |
| IATA-packing instructions - Cargo:     |      | 364  |
| IATA-max. quantity - Cargo:            |      | 60 L |

#### **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**

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

### **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): 813 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**

#### **Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]**

| Classification          | Classification procedure |
|-------------------------|--------------------------|
| Flam. Liq. 2; H225      | On basis of test data    |
| Eye Irrit. 2; H319      | Calculation method       |
| STOT SE 3; H336         | Calculation method       |
| Aquatic Chronic 3; H412 | Calculation method       |

#### **Relevant H and EUH statements (number and full text)**

|        |   |
|--------|---|
| H225   | Highly flammable liquid and vapour.   |
| H226   | Flammable liquid and vapour.  |
| H302   | Harmful if swallowed.   |
| H312   | Harmful in contact with skin.   |
| H315   | Causes skin irritation.   |
| H317   | May cause an allergic skin reaction.  |
| H319   | Causes serious eye irritation.  |
| H332   | Harmful if inhaled.   |
| H336   | May cause drowsiness or dizziness.  |
| H400   | Very toxic to aquatic life.   |
| H410   | Very toxic to aquatic life with long lasting effects.                         |
| H411   | Toxic to aquatic life with long lasting effects.                              |
| H412   | Harmful to aquatic life with long lasting effects.                            |
| EUH208 | Contains C.I.Acid Yellow 220, Chromkomplex. May produce an allergic reaction. |

#### **Further Information**

The above information describes exclusively the safety requirements of the product and is based on our

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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.

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