



## SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Last review: 1 Sept 2025

Print date: 26 Jan 2026

Version: 1

REIN ABER RICHTIG

E.MAYR REINIGUNGSTECHNIK

Page 1/8

### Ligreen Glasreiniger Kristallklar

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

##### 1.1. Product identifier

Trade name/designation:

Ligreen Glasreiniger Kristallklar - Item No.:0674 -10l/Item No:4454 - 9x750ml

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

Use of the substance/mixture:

Cleaning agent

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

Supplier (manufacturer/importer/only representative/downstream user/distributor):

**E.MAYR Reinigungstechnik GesmbH**

Ortsstraße 285

A-2331 Vösendorf

Austria

Telephone: +43 (0) 1 699 17 64 -0

Telefax: +43 (0) 1 699 17 64 - 33

E-mail:office@e-mayr.at

Website: www.reinaberrichtig.at

##### 1.4. Emergency telephone number

24h: Poison Control Centre for Austria Phone: +43 (0)1/406 43 43-0

#### SECTION 2: Hazards identification

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

Classification according to Regulation (EC) No 1272/2008 [CLP]

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

##### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

According to EC directives or the corresponding national regulations the product does not have to be labelled.

Hazard statements: none

Supplemental hazard information: none

Precautionary statements: none

##### 2.3. Other hazards

No data available

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Last review: 1 Sept 2025

Print date: 26 Jan 2026

Version: 1

Page 2/8



REIN ABER RICHTIG

E.MAYR REINIGUNGSTECHNIK

## Ligreen Glasreiniger Kristallklar

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 64-17-5 EC No.: 200-578-6 Index No.: 603-002-00-5 REACH No.: 01-2119457610-43-XXXX	<b>ethanol</b> Flam. Liq. 2 (H225) Danger <b>Acute Toxicity Estimate</b> ATE (oral) 10,470 mg/kg ATE (dermal) > 2,000 mg/kg ATE (inhalation, vapour) 51 mg/L	1 - ≤ 10 weight-%
CAS No.: 78-93-3 EC No.: 201-159-0 Index No.: 606-002-00-3 REACH No.: 01-2119457290-43-XXXX	<b>butanone</b> Eye Irrit. 2 (H319), Flam. Liq. 2 (H225), STOT SE 3 (H336) Danger EUH066	0 - ≤ 0.1 weight-%

Full text of H- and EUH-phrases: see section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### Following inhalation:

Provide fresh air.

##### After eye contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

##### Following ingestion:

Rinse mouth. Let water be drunk in little sips (dilution effect). Get medical advice/attention if you feel unwell.

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

No known symptoms to date.

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media:

Adjust to the environment

##### Unsuitable extinguishing media:

There are no restrictions on extinguishing agents for this mixture

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

##### Hazardous combustion products:

In case of fire: Gases/vapours, toxic

#### 5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

#### 5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Last review: 1 Sept 2025

Print date: 26 Jan 2026

Version: 1

Page 3/8



REIN ABER RICHTIG

E.MAYR REINIGUNGSTECHNIK

## Ligreen Glasreiniger Kristallklar

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

**Personal precautions:**

Avoid breathing dust/fume/gas/mist/vapours/spray. Remove persons to safety.

**Protective equipment:**

Wear protective gloves/protective clothing/eye protection/face protection.

##### 6.1.2. For emergency responders

**Personal protection equipment:**

Personal protection equipment: see section 8

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

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

**For containment:**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

#### 6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

#### 6.5. Additional information

Use appropriate container to avoid environmental contamination.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Protective measures**

**Advices on safe handling:**

Wear personal protection equipment (refer to section 8).

**Advices on general occupational hygiene**

When using do not eat, drink or smoke. Avoid contact with eyes and skin.

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

**Technical measures and storage conditions:**

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

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

No data available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
MAK (AT)	<b>ethanol</b> CAS No.: 64-17-5 EC No.: 200-578-6	① 1,000 ppm (1,900 mg/m <sup>3</sup> )
MAK (AT)	<b>ethanol</b> CAS No.: 64-17-5 EC No.: 200-578-6	② 2,000 ppm (3,800 mg/m <sup>3</sup> ) ⑤ (max. 3x60 min./Schicht, Momentanwert)
MAK (AT)	<b>butanone</b> CAS No.: 78-93-3 EC No.: 201-159-0	① 100 ppm (295 mg/m <sup>3</sup> ) ⑤ (kann über die Haut aufgenommen werden) H

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Last review: 1 Sept 2025

Print date: 26 Jan 2026

Version: 1

Page 4/8



REIN ABER RICHTIG

E.MAYR REINIGUNGSTECHNIK

## Ligreen Glasreiniger Kristallklar

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
MAK (AT)	<b>butanone</b> CAS No.: 78-93-3 EC No.: 201-159-0	② 200 ppm (590 mg/m <sup>3</sup> ) ⑤ (max. 4x30 min./Schicht, kann über die Haut aufgenommen werden) H
IOELV (EU)	<b>butanone</b> CAS No.: 78-93-3 EC No.: 201-159-0	① 200 ppm (600 mg/m <sup>3</sup> ) ② 300 ppm (900 mg/m <sup>3</sup> )

### 8.1.2. Biological limit values

No data available

### 8.1.3. DNEL-/PNEC-values

No data available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

No data available

### 8.2.2. Personal protection equipment

#### Eye/face protection:

Eye glasses with side protection EN 166

#### Skin protection:

Tested protective gloves must be worn EN ISO 374 Suitable material: Breakthrough time: min In the case of wanting to use the gloves again, clean them before taking off and air them well. Breakthrough times and swelling properties of the material must be taken into consideration.

### 8.2.3. Environmental exposure controls

No data available

## SECTION 9: Physical and chemical properties

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

#### Appearance

**Physical state:** Liquid

**Colour:** colourless

**Odour:** scented

**flammability:** No

#### Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	= 7 - 8	20 °C	
Melting point	No data available		
Freezing point	No data available		
Initial boiling point and boiling range	No data available		
Flash point	44 °C		② Unterhält die Verbrennung nicht
Evaporation rate	No data available		
Auto-ignition temperature	No data available		
Upper/lower flammability or explosive limits	> 1.3 - ≤ 15 %		② (Ethanol)
Vapour pressure	No data available		
Vapour density	No data available		
Density	1 g/cm <sup>3</sup>	20 °C	
Bulk density	not applicable		
Water solubility	completely miscible		

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Last review: 1 Sept 2025

Print date: 26 Jan 2026

Version: 1

Page 5/8



REIN ABER RICHTIG

E.MAYR REINIGUNGSTECHNIK

## Ligreen Glasreiniger Kristallklar

Parameter	Value	at °C	① Method ② Remark
Dynamic viscosity	No data available		
Kinematic viscosity	No data available		

### 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Vapors may form an explosive mixture with air.

### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

No data available

### 10.4. Conditions to avoid

extreme temperatures

### 10.5. Incompatible materials

No data available

### 10.6. Hazardous decomposition products

No data available

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

<b>ethanol</b> CAS No.: 64-17-5 EC No.: 200-578-6
<b>LD<sub>50</sub> oral:</b> 10,470 mg/kg (Ratte)
<b>LD<sub>50</sub> dermal:</b> >2,000 mg/kg (Kaninchen)
<b>LC<sub>50</sub> Acute inhalation toxicity (vapour):</b> 51 mg/L 4 h (Ratte)

#### Acute oral toxicity:

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

#### Acute dermal toxicity:

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

#### Acute inhalation toxicity:

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

#### Skin corrosion/irritation:

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

#### Serious eye damage/irritation:

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

#### Respiratory or skin sensitisation:

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

#### Germ cell mutagenicity:

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

#### Carcinogenicity:

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

#### Reproductive toxicity:

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

#### STOT-single exposure:

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

#### STOT-repeated exposure:

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

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Last review: 1 Sept 2025

Print date: 26 Jan 2026

Version: 1

Page 6/8



REIN ABER RICHTIG

E.MAYR REINIGUNGSTECHNIK

## Ligreen Glasreiniger Kristallklar

### Aspiration hazard:

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

### Additional information:

No data available

### 11.2. Information on other hazards

No data available

## SECTION 12: Ecological information

### 12.1. Toxicity

<b>ethanol</b> CAS No.: 64-17-5 EC No.: 200-578-6
<b>LC<sub>50</sub></b> : 5,012 mg/L 2 d (Algae/water plant, Ceriodaphnia dubia (Wasserfloh))
<b>EC<sub>50</sub></b> : 275 mg/L 3 d (Algae/water plant, Chlorella vulgaris) OECD- Prüfrichtlinie 201
<b>butanone</b> CAS No.: 78-93-3 EC No.: 201-159-0
<b>LC<sub>50</sub></b> : 2,993 mg/L 4 d (fish, Pimephales promelas) OECD Prüfrichtlinie 203
<b>EC<sub>50</sub></b> : 308 mg/L 2 d (crustaceans, Daphnia magna) OECD-Prüfrichtlinie 202

### 12.2. Persistence and degradability

<b>ethanol</b> CAS No.: 64-17-5 EC No.: 200-578-6
<b>Biodegradation</b> : Yes, rapidly
<b>butanone</b> CAS No.: 78-93-3 EC No.: 201-159-0
<b>Biodegradation</b> : Yes, rapidly

### 12.3. Bioaccumulative potential

<b>ethanol</b> CAS No.: 64-17-5 EC No.: 200-578-6
<b>Log K<sub>ow</sub></b> : -0.35
<b>Bioconcentration factor (BCF)</b> : 0.66
<b>butanone</b> CAS No.: 78-93-3 EC No.: 201-159-0
<b>Log K<sub>ow</sub></b> : 0.3

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

<b>ethanol</b> CAS No.: 64-17-5 EC No.: 200-578-6
<b>Results of PBT and vPvB assessment</b> : —
<b>butanone</b> CAS No.: 78-93-3 EC No.: 201-159-0
<b>Results of PBT and vPvB assessment</b> : —

### 12.6. Endocrine disrupting properties

No data available

### 12.7. Other adverse effects

No data available

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Last review: 1 Sept 2025

Print date: 26 Jan 2026

Version: 1

Page 7/8



REIN ABER RICHTIG

E.MAYR REINIGUNGSTECHNIK

## Ligreen Glasreiniger Kristallklar

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### 13.1.1. Product/Packaging disposal

#### Waste codes/waste designations according to EWC/AVV

##### Waste code product

07 06 01 *	(07) WASTES FROM ORGANIC CHEMICAL PROCESSES (06) Wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics (01 *) aqueous washing liquids and mother liquors
20 01 29 *	(20) MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS (01) separately collected fractions (except 15 01) (29 *) Detergents containing hazardous substances

\*: Evidence for disposal must be provided.

##### Waste code packaging

##### Remark:

Plastic packaging

##### Waste treatment options

##### Appropriate disposal / Product:

Consult the appropriate local waste disposal expert about waste disposal.

### SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
<b>14.1. UN number or ID number</b>			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
<b>14.2. UN proper shipping name</b>			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
<b>14.3. Transport hazard class(es)</b>			
not relevant	not relevant	not relevant	not relevant
<b>14.4. Packing group</b>			
not relevant	not relevant	not relevant	not relevant
<b>14.5. Environmental hazards</b>			
not relevant	not relevant	not relevant	not relevant
<b>14.6. Special precautions for user</b>			
not relevant	not relevant	not relevant	not relevant

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

No data available

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### 15.1.1. EU legislation

##### Authorisations:

Labelling for contents according to regulation (EC) No. 648/2004

anionic surfactants <5%

perfumes

##### 15.1.2. National regulations

No data available

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Last review: 1 Sept 2025

Print date: 26 Jan 2026

Version: 1

Page 8/8



REIN ABER RICHTIG

E.MAYR REINIGUNGSTECHNIK

## Ligreen Glasreiniger Kristallklar

### 15.2. Chemical Safety Assessment

No data available

## SECTION 16: Other information

### 16.1. Indication of changes

No data available

### 16.2. Abbreviations and acronyms

No data available

### 16.3. Key literature references and sources for data

No data available

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

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

### 16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15

Hazard statements	
H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

Supplemental hazard information	
EUH066	Repeated exposure may cause skin dryness or cracking.

### 16.6. Training advice

No data available

### 16.7. Additional information

No data available