



REIN ABER RICHTIG
E.MAYR REINIGUNGSTECHNIK

SAFETY DATA SHEET

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

Last Revision: 22 Mar 2025

Print date: 26 Jan 2026

Version: 1

Page 1/8

LiGreen ProSan

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

1.1. Product identifier

Trade name/designation:

LiGreen ProSan - Item No.:2330 - 10l/ Item No.:2331 - 12x1l

UFI:

RUAG-2XXF-S89M-J04U

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

Use of the substance/mixture:

Sanitärreiniger

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]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Serious eye damage/eye irritation (Eye Irrit. 2)	H319: Causes serious eye irritation.	

2.2. Label elements

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

Hazard pictograms:



GHS07

Exclamation mark

Signal word: Warning

Hazard statements for health hazards

H319	Causes serious eye irritation.
------	--------------------------------

SAFETY DATA SHEET

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

Last Revision: 22 Mar 2025

Print date: 26 Jan 2026

Version: 1



REIN ABER RICHTIG

E.MAYR REINIGUNGSTECHNIK

Page 2/8

LiGreen ProSan

Supplemental hazard information: none

Precautionary statements Prevention

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...

Precautionary statements Response

P337 + P313 If eye irritation persists: Get medical advice/attention.

2.3. Other hazards

No data available

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.: 5949-29-1 REACH No.: 01-2119457026-42	CITRONENSÄUREMONOHYDRAT Eye Irrit. 2 (H319) ⚠ Warning Acute Toxicity Estimate ATE (oral) 5,400 mg/kg ATE (dermal) > 2,000 mg/kg	< 10 weight-%
CAS No.: 69011-36-5	Isotridecanol, ethoxylated Acute Tox. 4 (H302), Eye Dam. 1 (H318) ⚠ Danger Acute Toxicity Estimate ATE (oral) 300 - 2,000 mg/kg ATE (dermal) > 2,000 mg/kg	< 5 weight-%

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended.

Following inhalation:

Provide fresh air. In case of respiratory tract irritation, consult a physician.

In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention.

After eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Following ingestion:

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

Self-protection of the first aider:

Use personal protection equipment.

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

Serious eye damage/eye irritation

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

Treat symptomatically.

SAFETY DATA SHEET

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

Last Revision: 22 Mar 2025

Print date: 26 Jan 2026

Version: 1

Page 3/8



REIN ABER RICHTIG

E.MAYR REINIGUNGSTECHNIK

LiGreen ProSan

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

Non-flammable. In case of fire hazardous combustion gases or vapors possible

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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

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.

Storage class (TRGS 510, Germany): 8B - Non-combustible corrosive substances

7.3. Specific end use(s)

No data available

SAFETY DATA SHEET

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

Last Revision: 22 Mar 2025

Print date: 26 Jan 2026

Version: 1

Page 4/8



REIN ABER RICHTIG
E.MAYR REINIGUNGSTECHNIK

LiGreen ProSan

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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: red

Odour: scented

flammability: No

Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	≈ 2.1		
Melting point	No data available		
Freezing point	No data available		
Initial boiling point and boiling range	No data available		
Flash point	No data available		
Evaporation rate	No data available		
Auto-ignition temperature	No data available		
Upper/lower flammability or explosive limits	No data available		
Vapour pressure	No data available		
Vapour density	No data available		
Density	1 g/cm ³	20 °C	
Bulk density	not applicable		
Water solubility	miscible		
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

No data available

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

SAFETY DATA SHEET

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

Last Revision: 22 Mar 2025

Print date: 26 Jan 2026

Version: 1

Page 5/8



REIN ABER RICHTIG

E.MAYR REINIGUNGSTECHNIK

LiGreen ProSan

10.3. Possibility of hazardous reactions

Risk of ignition or formation of inflammable gases or vapors with: metals, light metals, metal alloys. It can develop: hydrogen. Violent reactions possible with: alkalis, metal oxides.

Oxidizing agent

10.4. Conditions to avoid

Avoid high temperatures or direct sunlight.

10.5. Incompatible materials

Aluminum, iron, ferrous compounds, steel. Hydrogen is given off through reaction with metals.

Corrosives, halogens, alkalis, acids, reactive chemicals

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

CITRONENSÄUREMONOHYDRAT CAS No.: 5949-29-1
LD₅₀ oral: 5,400 mg/kg (Maus) OECD 401
LD₅₀ dermal: >2,000 mg/kg (Maus) OECD 401
Isotridecanol,ethoxylated CAS No.: 69011-36-5
LD₅₀ oral: 300 - 2,000 mg/kg (Ratte)
LD₅₀ dermal: >2,000 mg/kg (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:

Causes serious eye irritation.

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.

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

SAFETY DATA SHEET

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

Last Revision: 22 Mar 2025

Print date: 26 Jan 2026

Version: 1

Page 6/8



REIN ABER RICHTIG

E.MAYR REINIGUNGSTECHNIK

LiGreen ProSan

SECTION 12: Ecological information

12.1. Toxicity

CITRONENSÄUREMONOHYDRAT CAS No.: 5949-29-1
LC₅₀ : 440 mg/L 2 d (fish, Goldorfe) OECD 203
LC₅₀ : 1,535 mg/L (crustaceans, Daphnia magna) 24h
Isotridecanol,ethoxylated CAS No.: 69011-36-5
LC₅₀ : >1 - 10 mg/L 4 d (fish, Leuciscus idus)
LC₅₀ : >1 - 10 mg/L (fish, Daphnia magna)
LC₅₀ : >1 - 10 mg/L (fish)
EC₅₀ : >1 - 10 mg/L 2 d (crustaceans)
EC₅₀ : >1 - 10 mg/L 3 d (Algae/water plant)
EC₅₀ : >1 - 10 mg/L 2 d (fish, Daphnia magna)
EC₅₀ : 3.4 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)) EU Method C.3 (Algal Inhibition test)
NOEC : >1 mg/L 21 d (crustaceans)
NOEC : >1 mg/L (Algae/water plant, Daphnia magna)
NOEC : 0.218 mg/L 21 d (crustaceans, Daphnia magna) OECD Guideline 211 (Daphnia magna Reproduction Test)

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

CITRONENSÄUREMONOHYDRAT CAS No.: 5949-29-1
Log K_{OW} : ≤ -1.8
Isotridecanol,ethoxylated CAS No.: 69011-36-5
Log K_{OW} : 6.4
Bioconcentration factor (BCF) : 387.5 mL

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

CITRONENSÄUREMONOHYDRAT CAS No.: 5949-29-1
Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.
Isotridecanol,ethoxylated CAS No.: 69011-36-5
Results of PBT and vPvB assessment: —

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 Revision: 22 Mar 2025

Print date: 26 Jan 2026

Version: 1

Page 7/8



REIN ABER RICHTIG

E.MAYR REINIGUNGSTECHNIK

LiGreen ProSan

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

20 01 39	(20) MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS (01) separately collected fractions (except 15 01) (39) plastics
----------	---

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)
14.1. UN number or ID number			
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.
14.2. UN proper shipping name			
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.
14.3. Transport hazard class(es)			
not relevant	not relevant	not relevant	not relevant
14.4. Packing group			
not relevant	not relevant	not relevant	not relevant
14.5. Environmental hazards			
not relevant	not relevant	not relevant	not relevant
14.6. Special precautions for user			
not relevant	not relevant	not relevant	not relevant

14.7. Maritime transport in bulk according to IMO instruments

Additional information:

The transport regulations are quoted according to international regulations and in the form in which they are used in Germany. Possible deviations in other countries are not taken into account.

SECTION 15: Regulatory information

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

15.1.1. EU legislation

Authorisations:

Ingredients according to the Detergents Regulation 648/2004/EG:

SAFETY DATA SHEET

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

Last Revision: 22 Mar 2025

Print date: 26 Jan 2026

Version: 1

Page 8/8



REIN ABER RICHTIG

E.MAYR REINIGUNGSTECHNIK

LiGreen ProSan

Nonionic surfactants: <5%
perfumes

15.1.2. National regulations

No data available

15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

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

Substance name	Type	source of supply
Isotridecanol,ethoxylated CAS No.: 69011-36-5	EC ₅₀ ; NOEC	Source: European Chemicals Agency, http://echa.europa.eu/

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

Hazard classes and hazard categories	Hazard statements	Classification procedure
Serious eye damage/eye irritation (Eye Irrit. 2)	H319: Causes serious eye irritation.	

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

Hazard statements	
H302	Harmful if swallowed.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.

16.6. Training advice

No data available

16.7. Additional information

The information is based on our current level of knowledge and is used to describe the product with regard to the safety precautions to be taken. They do not represent a guarantee of the properties of the product described.

It is the responsibility of the recipient of our product to observe existing laws and regulations.