

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 24.03.2023

Version number 3 (replaces version 2)

Revision: 24.03.2023

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

#### 1.1 Product identifier

Trade name: **Liqui Polish Universal**

Article number: 11834, 11835, 11831

UFI: MSD5-50FR-T00A-DQ46

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

No further relevant information available.

Application of the substance / the mixture

Polishing agent/ Burnishing compound

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

Manufacturer/Supplier: AKEMI chemisch technische Spezialfabrik GmbH  
Lechstrasse 28  
D 90451 Nürnberg

Tel. +49(0)911-642960  
Fax. +49(0)911-644456  
e-mail info@akemi.de

Further information obtainable from:

Laboratory

#### 1.4 Emergency telephone number:

Product Safety Department AKEMI chemisch technische Spezialfabrik GmbH  
Tel. +49(0)911-64296-59  
Reachable during the following office hours:  
Monday – Thursday from 07:30 a.m. to 16:30 p.m.  
Friday from 07:30 a.m. to 13:30 p.m.

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Skin Sens. 1 H317 May cause an allergic skin reaction.

#### 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS07

Signal word

Warning

Hazard-determining components of labelling:

2-methyl-2H-isothiazol-3-one

Hazard statements

H317 May cause an allergic skin reaction.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read carefully and follow all instructions.  
P261 Avoid breathing mist/vapours/spray.  
P280 Wear protective gloves.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:

Contains biocidal products: 2-methyl-2H-isothiazol-3-one, 1,2-benzisothiazol-3(2H)-one

#### 2.3 Other hazards

The product does not contain any organic halogen compounds (AOX), nitrates, heavy metal compounds or formaldehydes.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

(Contd. on page 2)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 24.03.2023

Version number 3 (replaces version 2)

Revision: 24.03.2023

**Trade name: Liqui Polish Universal**

(Contd. of page 1)

· Determination of endocrine-disrupting properties

For information on endocrine disrupting properties see section 11.

**SECTION 3: Composition/information on ingredients****3.2 Mixtures**· Description:

Mixture of substances listed below with nonhazardous additions.

· Dangerous components:

CAS: 2682-20-4	2-methyl-2H-isothiazol-3-one	<1%
EINECS: 220-239-6	Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 2, H330	
Index number: 613-326-00-9	Skin Corr. 1B, H314; Eye Dam. 1, H318	
Reg.nr.: 01-2120764690-50	Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1)	
	Skin Sens. 1A, H317; STOT SE 3, H335	
	EUH071	
	Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.0015 %	

· Additional information:

For the wording of the listed hazard phrases refer to section 16.

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

Take affected persons out into the fresh air.

No special measures required.

· After inhalation:

Not applicable

· After skin contact:

Generally the product does not irritate the skin.

· After eye contact:

Rinse opened eye for several minutes under running water.

· After swallowing:

If symptoms persist consult doctor.

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

No further relevant information available.

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

No further relevant information available.

**SECTION 5: Firefighting measures****5.1 Extinguishing media**· Suitable extinguishing agents:

Not applicable

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

None

**5.3 Advice for firefighters**· Protective equipment:

No special measures required.

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

Product forms slippery surface when combined with water.

**6.2 Environmental precautions:**

Do not allow product to reach sewage system or any water course.

Do not allow to enter sewers/ surface or ground water.

**6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

**6.4 Reference to other sections**

No dangerous substances are released.

(Contd. on page 3)

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 24.03.2023

Version number 3 (replaces version 2)

Revision: 24.03.2023

**Trade name:** Liqui Polish Universal

(Contd. of page 2)

**SECTION 7: Handling and storage**

- **7.1 Precautions for safe handling** No special precautions are necessary if used correctly.
- Information about fire - and explosion protection: No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- Storage:
- Requirements to be met by storerooms and receptacles: Prevent any seepage into the ground.
- Information about storage in one common storage facility: Store away from foodstuffs.
- Further information about storage conditions: None.
- Storage class: 12
- **7.3 Specific end use(s)** No further relevant information available.

**SECTION 8: Exposure controls/personal protection**

- **8.1 Control parameters**
- Ingredients with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- Additional information: The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- Appropriate engineering controls No further data; see section 7.
- Individual protection measures, such as personal protective equipment
- General protective and hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals.
- Respiratory protection: Not required.
- Hand protection Not required.  
Preventive skin protection by use of skin-protecting agents is recommended.
- Material of gloves Not applicable
- Penetration time of glove material Not applicable
- For the permanent contact gloves made of the following materials are suitable: Not applicable
- Eye/face protection Not required.
- Body protection: Protective work clothing

**SECTION 9: Physical and chemical properties**

- **9.1 Information on basic physical and chemical properties**
- General Information
- Colour: According to product specification
- Odour: Odourless
- Melting point/freezing point: Undetermined.
- Boiling point or initial boiling point and boiling range 100 °C
- Flash point: Not applicable.
- pH at 20 °C 7

(Contd. on page 4)

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 24.03.2023

Version number 3 (replaces version 2)

Revision: 24.03.2023

**Trade name: Liqui Polish Universal**

(Contd. of page 3)

· Viscosity:	
· Kinematic viscosity	Not determined.
· Kinematic viscosity	
· Dynamic at 20 °C:	1,100 mPas
· Solubility	
· water:	Fully miscible.
· Vapour pressure at 20 °C:	23 hPa (7732-18-5 water, distilled, conductivity or of similarpurity)
· Vapour pressure:	
· Density and/or relative density	
· Density at 20 °C:	1.55-1.62 g/cm <sup>3</sup>

**9.2 Other information**

· Appearance:	
· Form:	Fluid
· Important information on protection of health and environment, and on safety.	
· Ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product does not present an explosion hazard.
· Solvent content:	
· Water:	47.5 %
· Solids content:	52.3 %

## Information with regard to physical hazard classes

· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

**SECTION 10: Stability and reactivity**

· <b>10.1 Reactivity</b>	No further relevant information available.
· <b>10.2 Chemical stability</b>	
· Thermal decomposition / conditions to be avoided:	No decomposition if used according to specifications.
· <b>10.3 Possibility of hazardous reactions</b>	No dangerous reactions known.
· <b>10.4 Conditions to avoid</b>	No further relevant information available.
· <b>10.5 Incompatible materials:</b>	No further relevant information available.

(Contd. on page 5)

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 24.03.2023

Version number 3 (replaces version 2)

Revision: 24.03.2023

**Trade name:** Liqui Polish Universal

(Contd. of page 4)

· **10.6 Hazardous decomposition products:**

No dangerous decomposition products known.

**SECTION 11: Toxicological information**

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

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

· LD/LC50 values relevant for classification:

**2682-20-4 2-methyl-2H-isothiazol-3-one**

Oral	LD50	120 mg/kg (rat)
Dermal	LD50	242 mg/kg (rat)
Inhalative	LC50/4 h	0.11 mg/l (rat)

- 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 May cause an allergic skin reaction.
- 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.

· **11.2 Information on other hazards**

· Endocrine disrupting properties

None of the ingredients is listed.

**SECTION 12: Ecological information**

· **12.1 Toxicity**

· Aquatic toxicity:

**2682-20-4 2-methyl-2H-isothiazol-3-one**

EC50	34.6 mg/l (BES) (DIN 38412-3)
EC50/48h	0.93-1.9 mg/l (daphnia magna)
ErC50/72h	0.1 mg/l (Skeletonema costatum ( Kieselalge))
EC50/16h	2.3 mg/l (pseudomonas putida)
EC20/3h	2.8 mg/l (BES) (DIN 38412-3)
NOEC/21d	0.04 mg/l (daphnia magna)
EC50/72h	0.157 mg/l (Pseudokirchneriella subcapitata)
LC50/96h	4.77-6 mg/l (rainbow trout)

· **12.2 Persistence and degradability**

No further relevant information available.

· **12.3 Bioaccumulative potential**

No further relevant information available.

· **12.4 Mobility in soil**

No further relevant information available.

· **12.5 Results of PBT and vPvB assessment**

· PBT: Not applicable.

· vPvB: Not applicable.

· **12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

· **12.7 Other adverse effects**

· Additional ecological information:

· General notes:

Do not allow product to reach ground water, water course or sewage system.

(Contd. on page 6)

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 24.03.2023

Version number 3 (replaces version 2)

Revision: 24.03.2023

**Trade name:** Liqui Polish Universal

(Contd. of page 5)

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

**SECTION 13: Disposal considerations****13.1 Waste treatment methods**

- Recommendation Smaller quantities can be disposed of with household waste.
- Uncleaned packaging:
- Recommendation: Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

**SECTION 14: Transport information****14.1 UN number or ID number**

- ADR, ADN, IMDG, IATA Void

**14.2 UN proper shipping name**

- ADR, ADN, IMDG, IATA Void

**14.3 Transport hazard class(es)**

- ADR, ADN, IMDG, IATA
- Class Void

**14.4 Packing group**

- ADR, IMDG, IATA Void

**14.5 Environmental hazards:**

- Marine pollutant: No

**14.6 Special precautions for user**

- Not applicable.

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

- Not applicable.

- Transport/Additional information: Not dangerous according to the above specifications.

- UN "Model Regulation": Void

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

- Directive 2012/18/EU
- Named dangerous substances - ANNEX I None of the ingredients is listed.
- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

- DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

- REGULATION (EU) 2019/1148

- Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

- Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

(Contd. on page 7)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 24.03.2023

Version number 3 (replaces version 2)

Revision: 24.03.2023

**Trade name: Liqui Polish Universal**

(Contd. of page 6)

· Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

· Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

· National regulations:· Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.· Substances of very high concern (SVHC) according to REACH, Article 57

None of the ingredients is listed.

· **15.2 Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Department issuing SDS: Laboratory· Date of previous version: 22.12.2022· Version number of previous version: 2

· Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
 ICAO: International Civil Aviation Organisation  
 ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  
 IMDG: International Maritime Code for Dangerous Goods  
 IATA: International Air Transport Association  
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 PBT: Persistent, Bioaccumulative and Toxic  
 SVHC: Substances of Very High Concern  
 vPvB: very Persistent and very Bioaccumulative  
 Acute Tox. 3: Acute toxicity – Category 3  
 Acute Tox. 2: Acute toxicity – Category 2  
 Skin Corr. 1B: Skin corrosion/irritation – Category 1B  
 Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
 Skin Sens. 1: Skin sensitisation – Category 1  
 Skin Sens. 1A: Skin sensitisation – Category 1A  
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3  
 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1  
 Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

EU