

**Safety Data Sheet**  
in accordance with Regulation (EC)  
No. 1907/2006

Zolleks Avto d.o.o.

ZOLLEX GLASS CLEANER

Date of issue: 20/07/2016  
Version: 1**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING****1.1 Product identifier**

Trade name	ZOLLEX GLASS CLEANER
Substance/mixture	Mixture
Code	LC-034, LC-513

**1.2 Relevant identified uses of the substance/mixture and inadvisable uses**

Identified uses: Vehicle glass cleaner

**1.3 Details of the supplier of the Safety Data Sheet****Supplier:**

Zolleks Avto d.o.o.  
Kidričeva cesta 97  
SI-4220 Škofja Loka

Telephone: +386 4 502 07 10

Telephone: +386 4 502 07 19

**E-mail address of the person responsible for drawing up the Safety Data Sheet:**[info@zolleks.si](mailto:info@zolleks.si)**1.4 Emergency telephone number**

Emergency call – Slovenia: 112

**2. HAZARD IDENTIFICATION****2.1 Classification of the substance/mixture**

Classification in accordance with Regulation (EC) No. 1272/2008

Eye Irrit. 2; H319

For the full text of the H-statements mentioned in this Section, see Section 16.

**2.2 Label elements**

Classification based on Regulation (EC) No. 1272/2008



Signal word: Caution

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Hazard statements:  
H319 Causes serious eye irritation.

Precautionary statements:  
P102 Keep out of reach of children.  
P280 Wear eye protection/face protection.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P501 Dispose of contents/container in accordance with local/national regulations.

**Substances in accordance with the Detergents Regulations 648/2004/EC:**  
<5% amphoteric surfactants, <5% non-ionic surfactants

**2.3 Other hazards**

No information available.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**3.2 Mixtures**

Chemical Name	CAS ES Index	REACH Reg. No.	Content in %	Classification based on the Regulation (EC) No. 1272/2008
Ammonia, solution 25%	1336-21-6 215-647-6 007-001-01-2	-	<0.4%	Skin Corr. 1B ; H314 Aquatic Acute 1; H400
Alkyl Dimethyl Amine Oxide	61788-90-7 - -	-	<0.04%	Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Acute 1; H400
C8-C10 Alcohol Alkyl Polyglucosides	68545-73-1 - -	-	<0.04%	Eye Dam. 1; H318
Citric acid	77-92-9 201-069-1	-	0.01%	Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335
Propan-2-ol	67-63-0 200-661-7 603-117-00-0	-	<5%	Flam. Liq. 2 ; H225 Eye Irrit. 2; H319 STOT SE 3; H336
Formaldehyde 37%	50-00-0 200-001-8 605-001-00-5	-	<0.07%	Carc. 2 ; H351 Acute Tox. 3 (*) ; H331 Acute Tox. 3 (*) ; H311 Acute Tox. 3 (*) ; H301 Skin Corr. 1B ; H314 Skin Sens. 1; H317

For the full text of the H-statements mentioned in this Section, see Section 16.

**4. FIRST AID MEASURES**

**4.1 Description of first-aid measures**

**Inhalation** Move affected person to fresh air. Keep affected person warm and at rest. If breathing is difficult, administer oxygen.

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- Skin contact** Remove contaminated clothing and shoes. Wash the skin with plenty of water and soap. If irritation persists, seek medical advice.
- Eye contact** In case of contact with eyes, rinse immediately with plenty of water for at least 15 minutes. Wash the eyelids as well. Seek medical attention.
- Ingestion** Seek medical attention immediately. Do not induce vomiting, unless directed to do so by medical personnel. If swallowed, rinse mouth with water (only if the affected person is conscious).

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

No information available.

**4.3 Indication of immediate medical attention and special treatment needed, if necessary**

Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

**5.1 Extinguishing agents**

- Suitable extinguishing agents** Carbon dioxide, foam, powder or split water spray.  
**Unsuitable extinguishing agents** Direct water stream.

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

- Special hazards** In case of fire, use split water spray. In case of fire silicon dioxide, carbon monoxide, formaldehyde, sulphur components may be emitted.

**5.3 Advice for fire-fighters**

- Special protective equipment for fire-fighters** Wear self-contained breathing apparatus that is independent of the ambient atmosphere and protective clothing in case of risk of exposure to product vapours or combustion fumes.

**6. ACCIDENTAL RELEASE MEASURES**

**6.1 Personal precautions, protective equipment and emergency procedures**

For untrained personnel: Use personal protective equipment. In case of large spill, alert rescue personnel. Avoid direct contact with product. Avoid contact with eyes and skin. Follow the instruction in Section 8. In case of spill there is a risk of slipping.

For rescue personnel: Use personal protective equipment. Provide appropriate ventilation.

**6.2 Environmental precautions**

Do not allow into drains/surface water/groundwater. Blot dry major part of spilled material with appropriate absorbent (sand, soil) and dispose in accordance with description in Section 13.

**6.3 Cleaning up methods, materials and retention**

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Small spill: Wash with a stream of running water. Blot dry spilled material with appropriate absorbent and place it in suitable removal containers in accordance with description in Section 13.

**6.4 Reference to other sections**

**Personal protective equipment** See Section 8.  
**Waste management** See Section 13.

**7. HANDLING AND STORAGE****7.1 Precautions for safe handling**

**Advice for safe handling** Avoid contact with eyes, skin and clothing. After using this product thoroughly wash your hands with soap and water. Carefully close the open container. When using the product do not eat, drink or smoke. Consider general occupational hygiene.

**7.2 Conditions for a safe storage, including any incompatibilities**

**Technical measures/storage conditions** Store in tightly closed container. Store in a dry, cool and well-ventilated place. Keep away from food, drink and animal feedingstuffs.  
Keep at temperature between +5°C and +35°C.  
Store in the original packaging.

**Incompatible materials** No information available.

**7.3 Specific end uses** No information available.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control parameters**

Occupational exposure limit values for ingredients:

CAS: 50-00-0, formaldehyde  
MV: 0.62 mg/m<sup>3</sup>, 0.5 ppm, KTV:1, Note: K, Y

CAS: 67-63-0, propan-2-ol  
MV: 500 mg/m<sup>3</sup>, 200 ppm, KTV:4, Note: Y, BAT

Substance name	CAS	Characteristic indicator	Biological sample	Sampling time	Biological limit values (BAT)
2-propanol	67-63-0	Acetone	Blood	At the end of the shift	50 mg/l
		Acetone	Urine	At the end of the shift	50 mg/l

Slovenia:

Source: Rules on the protection of workers from the risks related to exposure to chemical substances at work (OG RS No. 100/01, 39/05, 53/07, 102/10, 43/11 – Health and Safety at Work Act-1 and 38/15)

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**8.2 Exposure controls**

**Engineering controls** Use only in well-ventilated areas.

**Personal protective equipment**

**General information** Immediately remove contaminated, soaked clothing. Wash hands and face after work. When using this product do not eat or drink.

**Respiratory protection** Not required in normal use.

**Hand protection** Not required in normal use.

**Eye protection** Wear safety goggles in accordance with standard SIST EN 166 where eye exposure is reasonably probable.

**Skin and body protection** Not required in normal use.

**8.3. Environmental exposure controls**

**General information** Not determined.

**9. PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

Appearance	Liquid
Colour	Transparent
Odour	Distinctive
Odour threshold values	Not applicable
pH	10-10.5 (100%)
Melting/freezing point	No data available
Autoflammability temperature	No data available
Initial boiling point and boiling range	No data available.
Flash point	>100°C
Evaporation rate	No data available
Flammability	No data available
Upper/lower flammability or explosive limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	0.95-1.1 g/cm <sup>3</sup> (at 20°C)
Water solubility	Soluble in cold water
Partition coefficient: n-octanol/water	No data available
Self-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available

**9.2 Other information**

No information available.

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**10. STABILITY AND REACTIVITY**

- |   |  |
|---|--|
| <b><u>10.1 Reactivity</u></b>                         | No information available.  |
| <b><u>10.2 Chemical stability</u></b>                 | Product is stable under normal use and storage conditions.                 |
| <b><u>10.3 Possibility of hazardous reactions</u></b> | Do not mix with other products.  |
| <b><u>10.4 Conditions to avoid</u></b>                | No information available.  |
| <b><u>10.5 Incompatible materials</u></b>             | No information available. Does not react with organic material and metals. |
| <b><u>10.6 Hazardous decomposition products</u></b>   | No information available.  |

**11. TOXICOLOGICAL INFORMATION**

- |                               |                                |
|-------------------------------|--------------------------------|
| (a) Acute toxicity            | No information available.      |
| (b) Irritation                | Causes serious eye irritation. |
| (c) Corrosivity               | No information available.      |
| (d) Sensitization             | No information available.      |
| (e) Repeat dose toxicity      | No information available.      |
| (f) Carcinogenicity           | No information available.      |
| (g) Mutagenicity              | No information available.      |
| (h) Toxicity for reproduction | No information available.      |

**12. ECOLOGICAL INFORMATION**

- |  |                           |
|--|---------------------------|
| <b><u>12.1 Toxicity</u></b>  | No information available. |
| <b><u>12.2 Persistence and degradability</u></b>   | No information available. |
| Do not empty into drains. Prevent any contamination of surface- and ground-water and soil. |                           |
| <b><u>12.3 Bioaccumulative potential</u></b>   | No information available. |
| <b><u>12.4 Mobility in soil</u></b>  | No information available. |
| <b><u>12.5 Results of PBT and vPvB assessment</u></b>                                      | No information available. |
| <b><u>12.6 Other adverse effects</u></b>   | No information available. |

**13. DISPOSAL CONSIDERATIONS**

- 13.1 Waste management methods**

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Waste/product residues: Product and product residues dispose as hazardous waste disposed at an authorised collector and disposer of hazardous waste.

Contaminated packaging: Packaging is not reusable. Contaminated packaging should be disposed of as hazardous waste.

*National regulations regarding waste:*

- Decree on waste
- Decree on the management of packaging and packaging waste

**14. TRANSPORT INFORMATION**

14.1 UN number: None

14.2 UN proper shipping name: None

14.3 Transport hazard classification: None

14.4 Packaging group: None

14.5 Environmental hazard: None

14.6 Special precautions for user: None

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Does not concern

**15. REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****European Union**

Regulation 1907/2006 (REACH)

**Regulations in Slovenia**

- Chemicals Act
- Rules on the classification, packaging and labelling of dangerous substances
- Rules on the classification, packaging and labelling of dangerous preparations
- Decree on waste
- Decree on the management of packaging and packaging waste
- Rules on the protection of workers from the risks related to exposure to chemical substances at work
- Rules on personal protective equipment used by workers at work

**15.2 Chemical safety assessment**

Chemical safety assessment has not been made.

**16. OTHER INFORMATION**

**16.1 Source of the safety data sheet:** Manufacturer's safety data sheet Очисник скла Zollex Glass cleaner (30/03/2016). Code 000021E

**16.2 List of relevant hazard statements and/or precautionary statements**

H225 Highly flammable liquid and vapour.  
H314 Causes severe skin burns and eye damage.

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H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H331 Toxic by inhalation.  
H311 Toxic in contact with skin.  
H301 Toxic if swallowed.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
H400 Very toxic to aquatic life.

**16.3. Abbreviations and acronyms:**

ADR: European agreement concerning the international carriage of dangerous goods by road  
RID: Regulation Concerning the International Carriage of Dangerous Goods by Rail  
TWA (time-weighted average): Daily exposure limit value (8h) at the workplace  
STEL: Short-term occupational exposure limit value  
Ceiling: Peak limitation  
MV: Occupational exposure limit value 8h  
KTV: Short-term limit value  
EC50: Median effective concentration  
LC50: Lethal concentration, 50%  
LD50: Median lethal dose  
K: Characteristic of easy transfer of material into an organism through skin  
Y: Substances that do not represent a risk of damage to embryo when BAT values are observed.

**16.4. Disclaimer**

The above information is based on our present knowledge and experience and relates to the product in the state in which it has been delivered. The information is to describe our product regarding safety requirements. Entries do not constitute a guarantee of the product properties in the legal sense. It is the consumer's responsibility to know and take into account the legal provisions relating to the transport and use of the product.

**End of the Safety Data Sheet**