

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

Zolleks Avto d.o.o.

**ZOLLEX UNIVERSAL CLEANER**Date of issue: 20/07/2015  
Version: 1**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING****1.1 Product identifier**

Trade name                    ZOLLEX UNIVERSAL CLEANER  
Substance/mixture        Mixture

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

Identified uses:            Multipurpose 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**

Skin Irrit. 2 ; H315  
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



# Safety Data Sheet

Page: 2 / 8

in accordance with Regulation (EC)

No. 1907/2006

Zolleks Avto d.o.o.

**ZOLLEX UNIVERSAL CLEANER**

Date of issue: 20/07/2015

Version: 1

Signal word: WARNING

Hazard statements:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary statements:

P102 Keep out of reach of children.

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

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P332 + P313 If skin irritation occurs: Get medical advice/attention.

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:**

&lt;5% non-ionic surface active substances, &lt;5% EDTA and its salts

**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 ut. %	Classification based on the Regulation (EC) No. 1272/2008
Alcohol ethoxylate polymer	Polymer - -	-	<1%	Skin Irrit. 2; H315 Eye Dam. 1; H318
2-(2-butoxyethoxy)ethanol	112-34-5 203-961-6 603-096-00-8	-	<1%	Eye Irrit. 2; H319
Potassium hydroxide	1310-58-3 215-181-3 019-002-00-8	-	<1%	Acute Tox. 4 (*); H302 Skin Corr. 1A; H314
Tetrasodium ethylenediaminetetraacetate	64-02-8 200-573-9 607-428-00-2	-	<1%	Acute Tox. 4 (*); H302 Eye Dam. 1; H318
Alkyl ether carboxylic acid	Polymer - -	-	<1%	Eye Dam. 1; H318
Acetic acid, (2-butoxyethoxy)	451-650-0 - -	-	<1%	Skin Corr. 1A; H314 Eye Dam. 1; H318
Sodium hydroxide	1310-73-2 215-185-5 011-002-00-6	-	<1%	Skin Corr. 1A; H314

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

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

Zolleks Avto d.o.o.

**ZOLLEX UNIVERSAL CLEANER**Date of issue: 20/07/2015  
Version: 1**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.
- 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. Wash the eyelids as well. If irritation persists, seek medical advice.
- 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.

**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**

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

Zolleks Avto d.o.o.

**ZOLLEX UNIVERSAL CLEANER**Date of issue: 20/07/2015  
Version: 1

Do not allow into drains/surface water/groundwater. Blot dry major part of spilled material with appropriate absorbent (sand, soil) and remove the rest with a stream of water.

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

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, avoid breathing vapours. After using this product thoroughly wash your hands with water and soap. 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 and drink. 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: 1310-58-3, potassium hydroxide  
ACGIH TLV (USA, 1/2004)  
Peak limitation (ceiling): 2 mg/m<sup>3</sup> Form: All forms

CAS: 112-34-5, 2-(2-butoxyethoxy)ethanol  
MV: 67.5 mg/m<sup>3</sup>, 10 ppm, STEL: 1,5, note: EU\*\*

CAS: 1310-73-2; sodium hydroxide  
MV: 2(l) mg/m<sup>3</sup>, KTV: 1, note: Y

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)

**8.2 Exposure controls**

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

Zolleks Avto d.o.o.

**ZOLLEX UNIVERSAL CLEANER**Date of issue: 20/07/2015  
Version: 1

**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** Protective gloves in accordance with SIST EN 374.

**Eye protection** Safety goggles in accordance with SIST EN 166.

**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	12.3
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
Specific weight	1.0 g/cm <sup>3</sup> (at 20°C)
Water solubility	Soluble in 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.

**10. STABILITY AND REACTIVITY**

**10.1 Reactivity** No information available.

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

Zolleks Avto d.o.o.

**ZOLLEX UNIVERSAL CLEANER**Date of issue: 20/07/2015  
Version: 1

<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>	Does not react with alkalis.
<b><u>10.5 Incompatible materials</u></b>	No information available.
<b><u>10.6 Hazardous decomposition products</u></b>	No information available.

<b>11. TOXICOLOGICAL INFORMATION</b>
--------------------------------------

(a) Acute toxicity	No information available.
--------------------	---------------------------

CAS: 1310-73-2 sodium hydroxide  
Oral LD50: 2000 mg/kg (rat)

(b) Irritation	Causes skin 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.

<b>12. ECOLOGICAL INFORMATION</b>
-----------------------------------

<b><u>12.1 Toxicity</u></b>	No information available.
-----------------------------	---------------------------

1310-58-3 potassium hydroxide, caustic potassium  
Acute toxicity for fish LC50 80 mg/l 96 h *Gambusia affinis*, source: IUCLID

<b><u>12.2 Persistence and degradability</u></b>	If leaking into sewage system, the product can change the pH value of the water in the biological treatment plant. Follow official limit values of waste waters. Prevent release into the environment.
<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.

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

Zolleks Avto d.o.o.

**ZOLLEX UNIVERSAL CLEANER**Date of issue: 20/07/2015  
Version: 1**13. DISPOSAL CONSIDERATIONS****13.1 Waste management methods**

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. Packaging must 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 UNIVERSAL CLEANER Zollex (01/07/2015)

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

Zolleks Avto d.o.o.

**ZOLLEX UNIVERSAL CLEANER**Date of issue: 20/07/2015  
Version: 1**16.2 List of relevant hazard statements and/or precautionary statements**

H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.

**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  
I= Inhalable fraction – part of suspended matter, inhaled by a worker.

**16.4. Disclaimer statement**

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**