

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

Zolleks Avto d.o.o.

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

Trade name ZOLLEX Engine cleaner
Substance/mixture Mixture

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

Identified uses: Engine 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

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 Corr. 1A; H314 Causes severe skin burns and eye damage.
Eye Dam. 1; H318 Causes serious eye damage.

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: Dangerous

Hazard statements:
H314 Causes severe skin burns and eye damage.

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

Zolleks Avto d.o.o.

ZOLLEX ECO MOTORDate of issue: 20/07/2015
Version: 1

Precautionary statements:

P102 Keep out of reach of children.

P405 Store locked up.

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

P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

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.

Contains: potassium hydroxide

Substances in accordance with the Detergents Regulations 648/2004/EC:

5–15% potassium hydroxide, <5% anionic surface active agents

Note: a child resistant closure and a tactile warning necessary.**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 |
|--|--|----------------|--------------------|--|
| Potassium hydroxide | 1310-58-3 215-181-3 019-002-00-8 | - | 5-15% | Acute Tox. 4 (*) ; H302 Skin Corr. 1A; H314 |
| Amines, coco alkyldimethyl, N-oxides | 61788-90-7 263-016-9 - | - | 1-5% | Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Acute 1; H400 |
| D-Glucopyranose, oligomers, decyl octyl glycosides | 68515-73-1 - - | - | 1-5% | Eye Dam. 1; H318 |
| Alcohols C9-11 ethoxylated | 68439-46-3 | - | 1-5% | Skin Irrit. 2; H315 Eye Dam. 1; H318 |

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 has stopped, provide artificial respiration. If breathing is difficult, administer oxygen. Immediately seek medical attention.

Skin contact Immediately remove contaminated clothing and shoes. Wash the skin with plenty of water and rinse for at least 15 minutes. Immediately seek medical attention.

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

Zolleks Avto d.o.o.

ZOLLEX ECO MOTOR

Date of issue: 20/07/2015
Version: 1

Eye contact In case of contact with eyes, rinse immediately with plenty of water. Immediately seek medical attention.

Ingestion 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**

Use personal protective equipment.
In case of large spill alert rescue personnel.

6.2 Environmental precautions

Do not allow into drains/surface water/groundwater. In the event of water or sewerage system contamination, notify Information Centre.

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.

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**

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

Zolleks Avto d.o.o.

ZOLLEX ECO MOTORDate of issue: 20/07/2015
Version: 1

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.

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
ACGIN TLV (USA, 1/2004)
CEIL: 2 mg/m³ Form: All forms

Slovenia: No information available

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

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 In case of insufficient ventilation use respiratory protection.

Hand protection Protective gloves in accordance with SIST EN 374 1–4 hours, material of safety gloves: butyl rubber or nitrile

Eye protection Eye protection in accordance with SIST EN 166. Safety goggles, face shield or other full face protection.

Skin and body protection Protective clothing in accordance with SIST EN 467. Protective apron, shoes.

8.3. Environmental exposure controls

General information Not determined.

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

Zolleks Avto d.o.o.

ZOLLEX ECO MOTOR

Date of issue: 20/07/2015
Version: 1

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

| | |
|--|---------------------------------------|
| Appearance | Liquid |
| Colour | White |
| Odour | Distinctive |
| Odour threshold values | Not applicable |
| pH | 13 (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 | 1.10-1.15 g/cm ³ (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.

10.2 Chemical stability

Product is stable under normal use conditions.

10.3 Possibility of hazardous reactions

Do not mix with other products.

10.4 Conditions to avoid

Does not react with alkalis.

10.5 Incompatible materials

Reacts with organic material and metals.

10.6 Hazardous decomposition products

No information available.

11. TOXICOLOGICAL INFORMATION

(a) Acute toxicity

No information available.

(b) Irritation

No information available.

(c) Corrosivity

Causes severe skin burns and eye damage.

(d) Sensitization

No information available.

Safety Data Sheet
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No. 1907/2006

Zolleks Avto d.o.o.

ZOLLEX ECO MOTOR

Date of issue: 20/07/2015
Version: 1

| | |
|-------------------------------|---------------------------|
| (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

| | |
|---|---|
| <u>12.1 Toxicity</u> | No information available. |
| <u>12.2 Persistence and degradability</u> | If leaking into sewage system, the product can change the pH value of the water in the treatment plant. |
| <u>12.3 Bioaccumulative potential</u> | No information available. |
| <u>12.4 Mobility in soil</u> | No information available. |
| <u>12.5 Results of PBT and vPvB assessment</u> | No information available. |
| <u>12.6 Other adverse effects</u> | No information available. |

13. DISPOSAL CONSIDERATIONS

13.1 Waste management methods

Waste/product residues: Product and product residues dispose as hazardous waste 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: | UN1814 |
| 14.2 UN proper shipping name: | POTASSIUM HYDROXIDE SOLUTION RAZTOPINA KALIJEVEGA HIDROKSIDA |
| 14.3 Transport hazard classification: | 8 |
| 14.4 Packaging group: | III |
| 14.5 Environmental hazard: | - |
| 14.6 Special precautions for user: | |

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

Zolleks Avto d.o.o.

ZOLLEX ECO MOTOR

Date of issue: 20/07/2015
Version: 1

ADR:
Label: 8
Hazard number: 80
Tunnel Restriction Code: (E)

Special provisions:
Limited quantities 5 L
Quantities exempt E1

14.7 Transport in bulk according to Annex II of the MARPOL Convention 73/78 and the IBC Code:
No information available

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 Zollex Очисник двигуна Engine cleaner (01/06/2015)

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.
H400 Very toxic to aquatic life.

16.4. 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%

Safety Data Sheet
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No. 1907/2006

Zolleks Avto d.o.o.

ZOLLEX ECO MOTOR

Date of issue: 20/07/2015
Version: 1

LD50 = Median lethal dose

16.5. 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