

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 26.11.2019

Version number 107

Revision: 05.06.2018

SECTION 1: Identification of the substance/mixture and of the company/undertaking**- 1.1 Product identifier****- Trade name** Fat Solvent **LOS7280**

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- 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 Cleaning agent / Cleaner**- 1.3 Details of the supplier of the safety data sheet****- Manufacturer/Supplier:**

EURO-LOCK Vertriebs-GmbH

Nordweststr. 3

D-59387 Ascheberg

Phone: + 49(0) 2593 95887-0

Fax: + 49(0) 2593 95887-29

- Informing department:

+ 49(0) 2593 95887-0

E-mail: info@euro-lock.de

- 1.4 Emergency telephone number:

+ 49(0) 2593 95887-0

Monday - Thursday 8:00 - 17:00 CET, Friday 8:00 - 13.00 CET

SECTION 2: Hazards identification**- 2.1 Classification of the substance or mixture****- Classification according to Regulation (EC) No 1272/2008**

Eye Irrit. 2 H319 Causes serious eye irritation.

- 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 statements**

H319 Causes serious eye irritation.

- Precautionary statements

P264 Wash hands thoroughly after handling.

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.

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

- 2.3 Other hazards**- Results of PBT and vPvB assessment****- PBT:** Not applicable.**- vPvB:** Not applicable.

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SECTION 3: Composition/information on ingredients

- 3.2 Mixtures

- **Description:** Mixture of the substances listed below with harmless additions (aqueous solution).

- Dangerous components:

CAS: 107-98-2 EINECS: 203-539-1 Reg.nr.: 01-2119457435-35	1-methoxypropan-2-ol Flam. Liq. 3, H226; STOT SE 3, H336	2.5-10%
Polymer	fatty alcohol alkoxyated Eye Dam. 1, H318; Acute Tox. 4, H302	<2.5%
CAS: 68891-38-3 NLP: 500-234-8 Reg.nr.: 01-2119488639-16	Alcohols, C12-14, ethoxylated, sulfates, sodium salts Eye Dam. 1, H318; Skin Irrit. 2, H315; Aquatic Chronic 3, H412	<2.5%

- **Additional information** For the wording of the listed hazard phrases refer to section 16.

- Composition/Ingredients

Constituents according to EC-Regulation 648/2004:

- < 5 % non-ionic surfactants,
- < 5 % phosphates,
- < 5 % anionic surfactants,
- further ingredients: alkalis, water soluble solvents, dyes.

SECTION 4: First aid measures

- 4.1 Description of first aid measures

- **General advice:** Instantly remove any clothing soiled by the product.

- **After inhalation** Supply fresh air; consult doctor in case of symptoms.

- After skin contact

Remove contaminated clothing immediately. Wash affected areas with plenty of water und soap. If irritation continues, contact a doctor.

- After eye contact

Rinse immediately opened eye for several minutes under running water. Then consult doctor.

- After swallowing

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; instantly call for medical help.

- 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

CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

- 5.2 Special hazards arising from the substance or mixture

Can form explosive gas-air mixtures. In case of incomplete combustion carbon monoxide can arise. Fumes are heavier than air and distributed over ground. Inflammation is possible from a far distance.

- 5.3 Advice for firefighters

- **Protective equipment:** Wear self-contained breathing apparatus.

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- Additional information

Endangered containers in the surrounding area should be cooled with a water-hose.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment and keep unprotected persons away.

Ensure adequate ventilation

- 6.2 Environmental precautions:

Do not allow to enter drainage system, surface or ground water.

If large amounts are released, the authorities must be informed.

- 6.3 Methods and material for containment and cleaning up:

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

Dispose of contaminated material as waste according to item 13.

- 6.4 Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

*** SECTION 7: Handling and storage**

- 7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace. Avoid repeated or long-term skin contact.

- Information about protection against explosions and fires: Protect from heat.

- 7.2 Conditions for safe storage, including any incompatibilities

- Storage

Protect against direct sunlight, other sources of heat and ignition.

Store in cool, dry conditions in well sealed containers.

- Requirements to be met by storerooms and containers:

Observe official regulations on storage and handling of water hazardous substances

Store in original containers or in PE-containers.

- 7.3 Specific end use(s) Professional use

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

- Additional information about design of technical systems:

Room ventilation i.e. vacuum suction. Measures to be taken against electro-static sparks.

- 8.1 Control parameters

- Components with critical values that require monitoring at the workplace:

107-98-2 1-methoxypropan-2-ol

WEL	Short-term value: 560 mg/m ³ , 150 ppm
	Long-term value: 375 mg/m ³ , 100 ppm
Sk	

- DNELs

107-98-2 1-methoxypropan-2-ol

Oral	DNEL (population)	33 mg/kg bw/day (Long-term, systemic effects)
Dermal	DNEL (worker)	183 mg/kg bw/day (Long-term, systemic effects)
	DNEL (population)	78 mg/kg bw/day (Long-term, systemic effects)

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Inhalative	DNEL (worker)	369 mg/m ³ (Long-term, systemic effects)
	DNEL (population)	553.5 mg/m ³ (Acute - systemic and local effects)
		43.9 mg/m ³ (Long-term, systemic effects)
68891-38-3 Alcohols, C12-14, ethoxylated, sulfates, sodium salts		
Dermal	DNEL (worker)	2,750 mg/kg bw/day (Long-term, systemic effects)
Inhalative	DNEL (worker)	175 mg/m ³ (Long-term, systemic effects)

- PNECs

107-98-2 1-methoxypropan-2-ol

PNEC water	10 mg/l (freshwater)
PNEC	100 mg/l (intermittent releases)
PNEC	4.59 mg/kg dw (soil)
PNEC sediment	52.3 mg/kg dw (freshwater)
	5.2 mg/kg dw (marine water)
PNEC STP	100 mg/l (sewage plant)

68891-38-3 Alcohols, C12-14, ethoxylated, sulfates, sodium salts

PNEC	0.024 mg/l (Seawater)
	0.24 mg/l (water)
PNEC sediment	0.545 mg/kg (Seawater)
	5.45 mg/kg (water)
PNEC soil	0.946 mg/kg (-)

- Additional information: The lists that were valid during the compilation were used as basis.

- 8.2 Exposure controls

- Personal protective equipment

- General protective and hygienic measures

- Keep away from food, beverages and fodder.
- Instantly remove any soiled and impregnated garments.
- Wash hands during breaks and at the end of the work.
- Avoid contact with the eyes and skin.
- Gases, fumes and aerosols should not be inhaled.

- Breathing equipment: Not necessary if room is well-ventilated.

- Protection of hands: Protective gloves.

- Material of gloves

- Butyl rubber, BR
- Nitrile rubber, NBR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

- Penetration time of glove material

Material of gloves is recommended for a short-term single use to protect from splashes. For permanent usage contact manufacturer of gloves.

- Eye protection: Sealing safety goggles with protection at the side

- Body protection: Standard protective working clothes

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SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties	
- General Information	
- Appearance:	
Form:	Fluid
Colour:	Green
Smell:	Characteristic
pH-value at 20 °C:	~ 11.3
Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	100 °C
Flash point:	Product is non-flammable nor potentially explosive
Self-inflammability:	Product is not selfigniting.
Explosive properties:	Product is not explosive. However, formation of explosive air/steam mixtures is possible.
Vapour pressure:	Not determined.
Density at 20 °C	~1.027 g/cm³
- Solubility in / Miscibility with	
Water:	Fully miscible
- 9.2 Other information	
No further relevant information available.	

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** strong oxidizing agents
- **10.6 Hazardous decomposition products:**
Formation of carbon monoxide and carbon dioxide in case of fire.

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

- LD/LC50 values that are relevant for classification:		
107-98-2 1-methoxypropan-2-ol		
Oral	LD50	4,016 mg/kg (rat)
Dermal	LD50	13,500 mg/kg (rbt)
Inhalative	LC 50 / 4 h	>20 mg/l (rat)
fatty alcohol alkoxyated		
Oral	LD50	>300-2,000 mg/kg (rat)

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68891-38-3 Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Oral	LD50	4,100 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)

- **Primary irritant effect:**
- **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.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **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.

SECTION 12: Ecological information

- 12.1 Toxicity

- Aquatic toxicity:

107-98-2 1-methoxypropan-2-ol

LC 50 / 96 h (static)	>4,000 mg/l (Leuciscus idus) 20,800 mg/l (Pimephales promelas)
EC 50 / 48 h (static)	23,300 mg/l (Daphnia magna)

fatty alcohol alkoxylated

EC 50 / 48 h	10-100 mg/l (Daphnia magna)
EC 50 / 72 h	10-100 mg/l (Scenedesmus subspicatus)

68891-38-3 Alcohols, C12-14, ethoxylated, sulfates, sodium salts

LC 50 / 96 h	7.1 mg/l (fish)
EC 50 / 48 h	7.2 mg/l (Daphnia magna)
EC 50 / 96 h	7.5 mg/l (Algae)
NOEC	0.27 mg/l (Daphnia magna) (21 Tage)

- 12.2 Persistence and degradability

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

- 12.3 Bioaccumulative potential No further relevant information available.

- 12.4 Mobility in soil No further relevant information available.

- Ecotoxicological effects:

- Respiratory inhibition of communal activated sludge EC 20 (mg/l according to ISO 8192 B):

107-98-2 1-methoxypropan-2-ol

EC 50	>1,000 mg/l (OECD 209 / ISO 8192)
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- Additional ecological information:

- General notes:

The product does not contain organically bounded halogens (AOX-free).

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

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- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
The following advice is related to new material and not to any processed products. In case of a mixture with other products other disposal methods may become necessary. If in doubt seek advice from product supplier or from local authorities.
- **Recommendation**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system. The aforementioned recommendations apply to the unused product (e.g. residues) When appropriately used, the product should end up as sewage.
- **Waste disposal key number:**
Since 01/01/99 the waste code numbers have not only been product-related but are also essentially application-related. The valid waste code number of the application can be obtained from the European waste catalogue.
- **Uncleaned packagings:** Disposal must be made according to official regulations.
- **Recommendation:**
*Rented packaging: After optimal emptying, close immediately and return to the supplier without cleaning. Care should be taken that no other materials get into the packaging.
 Other containers: After complete emptying and cleaning, send to be reconditioned or recycled.*

SECTION 14: Transport information

- 14.1 UN-Number - ADR, IMDG, IATA	Void
- 14.2 UN proper shipping name - ADR - IMDG, IATA	Void Void
- 14.3 Transport hazard class(es) - ADR, IMDG, IATA - Class	Void
- 14.4 Packing group - ADR, IMDG, IATA	Void
- 14.5 Environmental hazards: - Marine pollutant:	Not applicable. No
- 14.6 Special precautions for user	Not applicable.
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
- Transport/Additional information:	Not dangerous according to the above specifications.
- UN "Model Regulation":	Void

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SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **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 statements**
H319 Causes serious eye irritation.
- **Precautionary statements**
P264 Wash hands thoroughly after handling.
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.
P337+P313 If eye irritation persists: Get medical advice/attention.
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **National regulations**
- **Information about limitation of use:**
Employment restrictions concerning young persons must be observed.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Application:** Directions for use: please refer to the Technical Information Sheet
- **Relevant phrases**
Complete wording of hazard statements and risk phrases (H- and R-phrases) mentioned in section 3. These phrases refer to the constituents. The labelling for this product is stated in section 2.
H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H336 May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long lasting effects.
- **Department issuing data specification sheet:** see item 1: Informing department

- **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

LEV: Local Exhaust Ventilation

RPE: Respiratory Protective Equipment

RCR: Risk Characterisation Ratio (RCR= PEC/PNEC)

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ADR: Accord européen sur le transport 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 Harmonized System of Classification and Labelling of Chemicals

CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)

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)

ISO: International Organisation for Standardisation

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

- * **Data compared to the previous version altered.**
