

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

Printing date 16.05.2017

Version number 103

Revision: 16.05.2017

SECTION 1: Identification of the substance/mixture and of the company/undertaking**- 1.1 Product identifier****- Trade name** *Siliconentferner***- Article number:** LOS9300**- 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:***Phone: + 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***Flam. Liq. 2 H225 Highly flammable liquid and vapour.**STOT SE 3 H336 May cause drowsiness or dizziness.**Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.**Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.***- 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**

GHS02 GHS07 GHS08 GHS09

- Signal word *Danger***- Hazard-determining components of labelling:***Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics***- Hazard statements***H225 Highly flammable liquid and vapour.**H336 May cause drowsiness or dizziness.**H304 May be fatal if swallowed and enters airways.**H411 Toxic to aquatic life with long lasting effects.***- Precautionary statements***P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.**P273 Avoid release to the environment.*

(Contd. on page 2)

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

Printing date 16.05.2017

Version number 103

Revision: 16.05.2017

Trade name *Siliconentferner*

(Contd. of page 1)

- P271 Use only outdoors or in a well-ventilated area.
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
- P331 Do NOT induce vomiting.
- P370+P378 In case of fire: Use for extinction: CO2, powder or water spray.
- P405 Store locked up.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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

SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Mixture of the following components

- **Dangerous components:**

EC number: 920-750-0 Reg.nr.: 01-2119473851-33	Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H336	50-100%
CAS: 67-63-0 EINECS: 200-661-7 Reg.nr.: 01-2119457558-25	propan-2-ol Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	2.5-10%

- **Additional information**
 The component Naphtha contains less than 0,1 % benzene. Classification and labelling as a carcinogen or mutagen is not required (Note P, Annex VI, Regulation (EC) No 1272/2008).
- **Composition/Ingredients**
 Constituents according to EC-Regulation 648/2004:
 > 30 % aliphatic hydrocarbons

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**
 Do not provoke vomiting. Vomiting while unconscious, may cause aspiration and may lead to suffocation. Give plenty of water to drink, but only if the patient is fully conscious. Contact a doctor.
- **4.2 Most important symptoms and effects, both acute and delayed**
 No further relevant information available.
- **Information for doctor**
 Cleaning of the stomach should only be carried out with endotracheal intubation. Danger of aspiration. Renew lipid coating of the skin in order to protect against dermatitis. Symptomatic treatment.

(Contd. on page 3)

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

Printing date 16.05.2017

Version number 103

Revision: 16.05.2017

Trade name Siliconentferner

(Contd. of page 2)

- **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.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **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 full protective suit with self-contained breathing apparatus.
- **Additional information**
Endangered containers in the surrounding area should be cooled with a water-hose.
If possible, remove product off fire area (danger of bursting).

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment and keep unprotected persons away.
Extinguish naked flames. Remove flammable sources. No smoking. Avoid sparks. Avoid contact with skin, eyes and clothing. Avoid inhalation of fumes. Air contaminated rooms thoroughly. Protect against electrostatic sparks.
- **6.2 Environmental precautions:**
Prevent material from reaching sewage system, holes and cellars.
Inform respective authorities in case product reaches water or sewage system.
- **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.
Ensure adequate ventilation.
- **6.4 Reference to other sections** Danger of explosion

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:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **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
- **Information about storage in one common storage facility:**
According to guidelines of the VbF, flammable liquids should not be stored together.
- **Further information about storage conditions:**
Attention should be paid to the guidelines of the VbF and the related technical regulations of the TRbF

(Contd. on page 4)

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

Printing date 16.05.2017

Version number 103

Revision: 16.05.2017

Trade name *Siliconentferner*

(Contd. of page 3)

- **Storage class 3** (VCI - Konzept, 2007)
- **7.3 Specific end use(s)** Industrial processing

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:**

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics (50-100%)

TWA (8H)	Long-term value: 1000 mg/m ³ RCP Aliphatic dearom. solvents
----------	---

67-63-0 propan-2-ol (2.5-10%)

WEL	Short-term value: 1250 mg/m ³ , 500 ppm Long-term value: 999 mg/m ³ , 400 ppm
-----	--

- DNELs

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

Oral	DNEL (population)	699 mg/kg bw/day (Long-term - systemic effects)
Dermal	DNEL (population)	699 mg/kg bw/day (Long-term - systemic effects)
	DNEL (worker)	773 mg/kg bw/day (Long-term - systemic effects)
Inhalative	DNEL (population)	608 mg/m ³ (Long-term - systemic effects)
	DNEL (worker)	2035 mg/m ³ (Long-term - systemic effects)

67-63-0 propan-2-ol

Oral	DNEL (population)	26 mg/kg bw/day (Long-term - systemic effects)
Dermal	DNEL (population)	319 mg/kg bw/day (Long-term - systemic effects)
	DNEL (worker)	888 mg/kg bw/day (Long-term - systemic effects)
Inhalative	DNEL (population)	89 mg/m ³ (Long-term - systemic effects)
	DNEL (worker)	500 mg/m ³ (Long-term - systemic effects)

- PNECs

67-63-0 propan-2-ol

PNEC	2251 mg/l (sewage treatment plant)
PNEC aqua	140.9 mg/l (fresh water)
	140.9 mg/l (marine water)
PNEC sediment	552 mg/kg (fresh water)
PNEC soil	28 mg/kg (soil)

- **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

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:** Use breathing protection in case of insufficient ventilation.

- Recommended filter device for short term use:

Combination filter A-P2
Filter A

(Contd. on page 5)

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

Printing date 16.05.2017

Version number 103

Revision: 16.05.2017

Trade name Siliconentferner

(Contd. of page 4)

- **Protection of hands:** Solvent resistant gloves
- **Material of gloves**
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:** Tightly sealed safety glasses.
- **Body protection:**
Standard protective clothing. Chemical resistant safety-shoes or boots. If skin contact is possible, wear impenetrable protective clothing against this solvent.

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties	
- General Information	
- Appearance:	
Form:	Fluid
Colour:	colourless
- Smell:	mild, like mineral spirits
- Change in condition	
Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	Not determined
- Flash point:	-3 °C (berechnet)
- Ignition temperature:	(lowest level for individual components)
- Explosive properties:	Product is not explosive. However, formation of explosive air/steam mixtures is possible.
- Critical values for explosion:	
Lower:	0.7 Vol %
Upper:	12 Vol %
	(Higher and lower level for individual components)
- Density at 20 °C	0.734 g/cm ³ (berechnet)
- Solubility in / Miscibility with Water:	Insoluble
- Viscosity:	
dynamic at 20 °C:	0.4 mPas (berechnet)
- 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.

(Contd. on page 6)

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

Printing date 16.05.2017

Version number 103

Revision: 16.05.2017

Trade name Silionentferner

(Contd. of page 5)

- 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:

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

Oral	LD50	> 5000 mg/kg (rat)
Dermal	LD50	> 2000 mg/kg (rab)
Inhalative	LC 50 / 4 h	> 20 mg/l (rat) (vapor)

67-63-0 propan-2-ol

Oral	LD50	4570 mg/kg (rat)
Dermal	LD50	> 2000 mg/kg (rab) 13400 mg/kg (rab)
Inhalative	LC 50 / 4 h	30 mg/l (rat)

- **Primary irritant effect:**

- **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** Based on available data, the classification criteria are not met.

- **Subacute to chronic toxicity:**

- STOT-repeated exposure:

67-63-0 propan-2-ol

Oral	NOAEL	900 mg/kg (rat) ((90d) OECD 408)
------	-------	----------------------------------

- Additional toxicological information:

Prolonged/repeated contact may cause defatting of the skin which can lead to dermatitis. Aspiration into the lungs may cause chemical pneumonitis which can be fatal.

- **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**

May cause drowsiness or dizziness.

- **STOT-repeated exposure** Based on available data, the classification criteria are not met.

- **Aspiration hazard**

May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

- 12.1 Toxicity

- Aquatic toxicity:

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

EC 50	1 - 10 mg/l (Aquatic invertebrates)
LC 50	1 - 10 mg/l (fish)
NOEC	0.1-1.0 mg/l (fish)

(Contd. on page 7)

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

Printing date 16.05.2017

Version number 103

Revision: 16.05.2017

Trade name *Siliconentferner*

(Contd. of page 6)

67-63-0 propan-2-ol

EC 50 / 48 h	> 100 mg/l (<i>Daphnia magna</i>)
EC 50 / 72 h	> 100 mg/l (<i>Scenedesmus subspicatus</i>)
LC 50 / 48 h	> 100 mg/l (<i>Leuciscus idus</i>)

- **12.2 Persistence and degradability** *Oxidises rapidly by photo-chemical reactions in air.*
- **12.3 Bioaccumulative potential** *No further relevant information available.*
- **12.4 Mobility in soil** *No further relevant information available.*
- **Additional ecological information:**
- **General notes:**
Do not allow to enter drainage system, surface or ground water
Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **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. If possible, send to be recycled, otherwise burn or deposit in a certified facility.
Contaminated water to separate by separator and dispose off in line with administrative regulations.
- **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.
Caution: Leftovers in the containers may cause the risk of explosion.
Uncleaned containers should not be perforated, cut or welded.

SECTION 14: Transport information

- 14.1 UN-Number	UN1993
- ADR, IMDG, IATA	
- 14.2 UN proper shipping name	1993 FLAMMABLE LIQUID, N.O.S. (Naphtha), special provision 640D
- ADR	FLAMMABLE LIQUID, N.O.S. (Naphtha), MARINE POLLUTANT
- IMDG	
- IATA	FLAMMABLE LIQUID, N.O.S. (Naphtha)

(Contd. on page 8)

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

Printing date 16.05.2017

Version number 103

Revision: 16.05.2017

Trade name *Siliconentferner*

(Contd. of page 7)

- 14.3 Transport hazard class(es)	
- ADR	
- Class	3 (F1) Flammable liquids.
- Label	3

- IMDG, IATA	
- Class	3 Flammable liquids.
- Label	3
- 14.4 Packing group	
- ADR, IMDG, IATA	II
- 14.5 Environmental hazards:	
- Marine pollutant:	Yes Symbol (fish and tree)
- Special marking (ADR):	Symbol (fish and tree)
- 14.6 Special precautions for user	
- Kemler Number:	Warning: Flammable liquids. 33
- EMS Number:	F-E,S-E
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	
	Not applicable.
- Transport/Additional information:	

- ADR	
- Limited quantities (LQ)	1L
- Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
- Transport category	2
- Tunnel restriction code	D/E

- IMDG	
- Limited quantities (LQ)	1L
- Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
- UN "Model Regulation":	UN1993, FLAMMABLE LIQUID, N.O.S. (Naphtha), special provision 640D, 3, II, ENVIRONMENTALLY HAZARDOUS

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**



GHS02 GHS07 GHS08 GHS09

(Contd. on page 9)

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

Printing date 16.05.2017

Version number 103

Revision: 16.05.2017

Trade name Siliconentferner

(Contd. of page 8)

- **Signal word** *Danger*
- **Hazard-determining components of labelling:**
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics
- **Hazard statements**
H225 Highly flammable liquid and vapour.
H336 May cause drowsiness or dizziness.
H304 May be fatal if swallowed and enters airways.
H411 Toxic to aquatic life with long lasting effects.
- **Precautionary statements**
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P273 Avoid release to the environment.
P271 Use only outdoors or in a well-ventilated area.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P331 Do NOT induce vomiting.
P370+P378 In case of fire: Use for extinction: CO2, powder or water spray.
P405 Store locked up.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Directive 2012/18/EU**
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** *200 t*
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** *500 t*
- **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.
- **VOC:**
100 % volatile organic compounds (Council Directive 2010/75/EC).
740 g/l VOC (volatile organic compounds) (Directive 2004/42/EC).
- **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:**
Instructions: please refer to the Technical Information Sheet.
Maximum content of VOC: 740 g/l (VOC limit value: 850 g/l (preparatory))
- **Relevant phrases**
H225 Highly flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.
- **Department issuing data specification sheet:** *see item 1: Informing department*

(Contd. on page 10)

— GB —

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

Printing date 16.05.2017

Version number 103

Revision: 16.05.2017

Trade name Siliconentferner

(Contd. of page 9)

- 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

NOAEL: No Observed Adverse Effect Level

RPE: Respiratory Protective Equipment

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

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)

TRGS: Technische Regeln für Gefahrstoffe (Technical Rules for Dangerous Substances, BAuA, Germany)

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. 2: Flammable liquids – Category 2

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

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

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

- * Data compared to the previous version altered.

— GB —