

# MATERIAL SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

## 50 903 - LINO-CLEAN

Article No.	50903027	LINO clean	Issue date:	04.06.20
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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name 50 903 - LINO-CLEAN

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

##### General use

Products for creation of art.

##### Uses advised against

#### 1.3 Details of the supplier of the safety data sheet

H. Schmincke & Co. GmbH & Co. KG  
Otto-Hahn-Str. 2  
D - 40699 Erkrath  
Tel. +49 (0) 211-2509-0  
Fax. +49 (0) 211-2509-497  
info@schmincke.de  
www.schmincke.de

##### Department responsible for information

Schmincke-Labor:  
Mo-Do 8.00-16.30, Fr 8.00-13.30  
Tel. +49 (0) 211-2509-474  
labor@schmincke.de

#### 1.4 Emergency telephone number

**Emergency  
Information  
Phone #**

**Emergencycall Berlin  
(24h - counseling in german and english)  
+49 (0) 30-30686700**

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification according to EC regulation 1272/2008 (CLP)

Eye Irrit. 2; H319 Causes serious eye irritation.  
Flam. Liq. 3; H226 Flammable liquid and vapour.

#### 2.2 Label elements

##### Labelling



##### Signal word

Warning

##### Hazard components for labelling

##### Hazard statements

H226 Flammable liquid and vapour.  
H319 Causes serious eye irritation.

##### Safety precautions

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P102 Keep out of reach of children.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### Text for labelling (CLP)

### 2.3 Other hazards

## SECTION 3: Composition / information on ingredients

### 3.1 Substances

#### Chemical characterisation

Water  
Alcohol  
non-ionic surfactants  
CAS-Number  
EINECS / ELINCS / NLP  
EU index number  
Customs tariff number  
REACH registration No.  
RTECS-no.  
Hazchem-Code  
CI-Number  
CI-Number

### 3.2 Mixtures

Substance 1
-------------

ethanol: 30 < 50 %  
CAS: 64-17-5  
REACH: 01-2119457610-43-XXXX

Eye Irrit. 2; H319 / Flam. Liq. 2; H225

#### Additional information

Regulation (EC) No. 648/2004 (Detergents regulation)  
5 < 15 % non-ionic surfactants

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

If you feel unwell, seek medical advice (show the label where possible).

#### In case of inhalation

Provide fresh air.  
Seek medical attention if problems persist.

#### In case of skin contact

Remove residues with soap and water.  
In case of skin irritation, consult a physician.

#### After eye contact

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 10 -

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15 minutes.

Seek medical attention if irritation persists.

#### **After swallowing**

Rinse mouth with water.

Seek medical treatment in case of troubles.

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

No data available

#### **4.3 Indication of any immediate medical attention and special treatment needed**

### SECTION 5: Firefighting measures

#### **5.1 Extinguishing media**

##### **Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings.

##### **Extinguishing media which must not be used for safety reasons**

strong water jet

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

In case of fire may be liberated: Carbon monoxide and carbon dioxide

#### **5.3 Advice for firefighters**

##### **Special protective equipment for firefighters**

Use appropriate respiratory protection.

##### **Additional information**

### SECTION 6: Accidental release measures

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

Avoid contact with skin, eyes, and clothing.

#### **6.2 environmental precautions**

Discharge into the environment must be avoided.

#### **6.3 Methods and material for containment and cleaning up**

##### **Methods for cleaning up**

Collect spilled material using paper towels and dispose.

##### **Additional information**

#### **6.4 Reference to other sections**

Dispose of waste according to applicable legislation.

### SECTION 7: Handling and storage

#### **7.1 Precautions for safe handling**

##### **Advices on safe handling**

Handle in accordance with good industrial hygiene and safety practice.

##### **Precautions against fire and explosion**

No special measures are required.

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

##### **Requirements for storerooms and containers**

Store in a well-ventilated place. Keep container tightly closed. Keep away from sources of ignition and heat.

##### **Hints on joint storage**

##### **Storage class**

##### **Further details**

Protect from frost and exposure to sun.

#### **7.3 Specific end use(s)**

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### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

64-17-5 ethanol

DEU	WEL	200,000	mL/m <sup>3</sup>	-
DEU	WEL	380,000	mg/m <sup>3</sup>	2(II); DGF; Y
USA	PEL (US)	1.000,000	ppm	8h (long term)
USA	PEL (US)	1.900,000	mg/m <sup>3</sup>	8h (long term)

#### 8.2 Exposure controls

##### Occupational exposure controls

###### Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.  
Respiratory protection must be worn whenever the WEL levels have been exceeded.  
Combination filtering device (EN 14387) Use filter type A (= against vapours of organic substances)

###### Hand protection

Qualified materials: Butyl caoutchouc (butyl rubber)  
Layer thickness > 0,5 mm  
Breakthrough time > 480 min  
Butoflex 650 - MAPA GmbH, Industriestraße 21- 25, D-27404 Zeven, Internet: [www.mapa-pro.de](http://www.mapa-pro.de)  
All information was derived in accordance with EU directive 89/686/EEG and the resultant EN 374 in cooperation with MAPA GmbH. This recommendation applies exclusively to the product and use named in Section 1. In the event of commingling or deviating conditions, contact the suppliers of CE-approved gloves.

###### Eye protection

Goggles

###### Body protection

Wear suitable protective clothing.

###### General protection and hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands thoroughly after handling.

### SECTION 9: Physical and chemical properties

#### 9.1 information on basic physical and chemical properties

**Form** liquid  
**Colour** colourless, clear  
**Odour** weak alcoholic

<b>Initial boiling point and boiling range</b>	<b>min</b> 100 °C	<b>max</b> 100 °C	
<b>Melting point/freezing point</b>			
<b>Flash point/flash point range</b>	24 °C	26 °C	
<b>Flammability</b>			
<b>Ignition temperature</b>			
<b>Auto-ignition temperature</b>			
<b>Explosion limits</b>	3,5	15 Vol%	
<b>Refraction index</b>			
<b>PH value</b>			
<b>Viscosity</b>			
<b>Viscosity</b>			
<b>Vapour pressure</b>			
<b>Density</b>		0,93 g/ml	20 °C
<b>Partition coefficient: n-octanol/water</b>			

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Danger of explosion

### 9.2 Other information

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Product is stable under normal storage conditions.

### 10.2 Chemical stability

### 10.3 Possibility of hazardous reactions

### 10.4 Conditions to avoid

Protect from frost and exposure to sun.

### 10.5 Incompatible materials

### 10.6 Hazardous decomposition products

Hazardous vapours may form during fires.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Toxicological tests

64-17-5

ethanol

oral	LD50	Rat		10470,00000	mg/kg	-
inhalative	LC50	Rat		38,00000	mg/L	(4h)
inhalative	LC50	Mouse	>	20,00000	mg/L	(4h)
dermal	LD50	Rabbit	>	2000,00000	mg/kg	-

#### Acute toxicity

No data available

#### In case of inhalation

No data available

#### After swallowing

No data available

#### In case of skin contact

No data available

#### After eye contact

No data available

### Practical experience

### General remarks

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Ecotoxicological effects

64-17-5

ethanol

LC50	Leuciscus idus			8140,00000	mg/L	48h
EC50	Chlorella vulgaris			275,00000	mg/L	(72h)
EC50	Daphnia magna	>		10000,00000	mg/L	48h

#### Aquatic toxicity

No data available

#### Water Hazard Class

2

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WGK catalog number  
General information

### 12.2 Persistence and degradability

Further details  
Product is partially biodegradable.  
Oxygen demand

### 12.3 Bioaccumulative potential

Bioconcentration factor (BCF)  
Partition coefficient: n-octanol/water

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

No data available

### 12.6 Other adverse effects

General information

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Waste key number  
080112 080111\* waste paint and varnish containing organic solvents or other dangerous substances  
Recommendation

#### Contaminated packaging

Waste key number  
Recommendation  
Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

#### Additional information

## SECTION 14: Transport information

### 14.1 UN number

1170

### 14.2 UN proper shipping name

ADR, ADN ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)  
IMDG, IATA ETHANOL SOLUTION

### 14.3 Transport hazard class(es)

ADR, ADN 3  
IMDG 3  
IATA 3

### 14.4 Packing group

III

### 14.5 Environmental hazards

Marine Pollutant - IMDG No  
Marine Pollutant - ADN No

### 14.6 Special precautions for user

#### Land transport (ADR/RID)

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Code: ADR/RID	F1
Kemmler-number	30
Hazard label ADR	3
Limited quantities	5L
Contaminated packaging: Instructions	P001 - IBC03 - LP01 - R001
Contaminated packaging: Special provisions	-
Special provisions for packing together	MP19
Portable tanks: Instructions	T2
Portable tanks: Special provisions	TP1
Tank coding	LGBF
Tunnel restriction	D/E
Remarks	
EQ	E1
Special provisions	144 - 601

### Inland waterway craft (ADN)

Hazard label	
Limited quantities	
Transport permitted	
Equipment necessary	
Ventilation	
Remarks	
EQ	
Special provisions	

### Sea transport (IMDG)

EmS	F-E, S-D
Special provisions	144 - 223
Limited quantities	5L
Contaminated packaging: Instructions	P001 - LP01
Contaminated packaging: Special provisions	-
IBC: Instructions	IBC03
IBC: Provisions	-
Tank instructions IMO	-
Tank instructions UN	T2
Tank instructions Special provisions	TP1
Stowage and segregation	category A
Properties and observations	
Remarks	
EQ	E1

### Air transport (IATA-DGR)

Hazard	Flammable Liquid
Passenger	355 (60L)
Passenger LQ	Y344 (10L)
Cargo	366 (220L)
ERG	3L
Remarks	
EQ	E1
Special Provisioning	A58 - A180

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available

## SECTION 15: Regulatory information

Bezeichner in aktueller Sprache fehlt!

National regulations

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### Europe

Contents of VOC [%]

Contents of VOC

[g/L]

Further regulations, limitations and legal requirements

### Germany

Storage class

Water Hazard Class 2

WGK catalog number

Incident regulation

Information on working limitations

Further regulations, limitations and legal requirements

### Denmark

Further regulations, limitations and legal requirements

### Hungary

Further regulations, limitations and legal requirements

### Great Britain

Further regulations, limitations and legal requirements

### Switzerland

Contents of VOC [%]

< 49 %

Further regulations, limitations and legal requirements

### USA

Further regulations, limitations and legal requirements

Federal Regulations

State Regulations

Signal Word

Warning !

Principal Hazards

Flammable. Causes eye irritation.

Hazardous Ingredients

Hazard Statement

Vapor harmful. Harmful if swallowed. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Causes eye, skin, nose and throat irritation.

Precaution Statement

Keep away from heat sparks and flame. Prevent build-up of vapors by opening all windows and doors to achieve cross ventilation. Use only with adequate ventilation. Do not breathe vapors or spray mist. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Pregnant women should avoid exposure to solvents.

First aid Statements

If swallowed, do not induce vomiting. Get medical attention immediately. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately. In case of eye contact, immediately flush eyes with plenty of water for 15 minutes and get medical attention immediately. For skin, wash thoroughly with soap and water.

Children's Statement

Keep out of reach of children.

Required Statements

Conforms to ASTM D-4236. For additional health information call the Poison Control Center 1-800-222-1222.

### Japan



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Further regulations, limitations and legal requirements

### Canada

Further regulations, limitations and legal requirements

### 15.2 Chemical Safety Assessment

## SECTION 16: Other information

### Further information

**Hazard statements (CLP)**

- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H319 Causes serious eye irritation.

### **Further information**

This information is based on our current state of knowledge and describes the security standards applicable to our product for the purpose provided. The information provided here does not constitute a legally binding warranty of specific characteristics or of suitability for a specific application use of the product is thus to be adapted to the user's special conditions and checked by preliminary tests. We are thus unable to guarantee product characteristics or accept an liability for damage arising in connection with the use of our products.

### **Literature**

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

### **Reason of change**

### **Additional information**