

**Silicone liquid****! SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

**Name of product** Silicone liquid  
Code-Nr. 153500

**1.2. Relevant identified uses of the substance or mixture and uses advised against****Recommended intended purpose(s)**

Technical Liquids

**1.3. Details of the supplier of the safety data sheet****Distributor**

WEICON GmbH & Co. KG  
Königsberger Str. 255, DE-48157 Münster  
Phone : +49(0)251 / 9322 - 0, Fax : +49(0)251 / 9322 - 244  
E-Mail : msds@weicon.de  
Internet : www.weicon.de

**Advice**

Produktsicherheit / Product-Safety-Department  
Phone : +49(0)251 / 9322 - 0  
Fax : +49(0)251 / 9322 - 244  
E-mail (competent person):  
msds@weicon.de

**1.4. Emergency telephone number**

EMERGENCY CONTACT - UK, UAE, South Africa (24h): Tel:  
++44 1865 407333 (English)  
TRANSPORT EMERGENCY CONTACT - UK, UAE, South  
Africa (24h): Tel: ++44 1865 407333 (English)

**Manufacturer**

WEICON GmbH & Co. KG  
Königsberger Str. 255, DE-48157 Münster

**1.4. Emergency telephone number**

GIFTNOTRUF/TRANSPORTNOTRUF - Deutschland (24h):  
Tel: ++49 69 222 25285 (Deutsch, Englisch)

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]**

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
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Flam. Liq. 2	H225	
Skin Irrit. 2	H315	
Eye Irrit. 2	H319	
STOT SE 3	H336	
Asp. Tox. 1	H304	
Aquatic Chronic 2	H411	

**Hazard Statements**

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

## 2.2. Label elements

### Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]



GHS02



GHS07



GHS08



GHS09

### Signal word

Danger

### Hazard Statements

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

### Precautionary Statements

P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P303 + P361 + P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P331	Do NOT induce vomiting.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P362	Take off contaminated clothing.
P370 + P378	In case of fire: Use extinguishing powder or sand for extinction.
P391	Collect spillage.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to hazardous or special waste collection point.

**Silicone liquid****Hazardous ingredients for labeling**

Naphtha (petroleum), hydrotreated light (Nota P&lt;0,1% Benzol)

**2.3. Other hazards**

Product has an anesthetic effect.

**Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**! SECTION 3: Composition/ information on ingredients****3.1. Substances**

not applicable

**3.2. Mixtures****Description**

Compound

**! Hazardous ingredients**

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
64-17-5	200-578-6	ethanol	25 - 35	Flam. Liq. 2, H225
110-54-3	203-777-6	n-hexane	1 - 2,5	Flam. Liq. 2, H225 / Repr. 2, H361f / Asp. Tox. 1, H304 / STOT RE 2, H373 / Skin Irrit. 2, H315 / STOT SE 3, H336 / Aquatic Chronic 2, H411
110-82-7	203-806-2	cyclohexane	1 - 2,5	Flam. Liq. 2, H225 / Asp. Tox. 1, H304 / Skin Irrit. 2, H315 / STOT SE 3, H336 / Aquatic Acute 1, H400 / Aquatic Chronic 1, H410
64742-49-0	265-151-9	Naphtha (petroleum), hydrotreated light (Nota P<0,1% Benzol)	45 - 55	Flam. Liq. 2, H225 / Skin Irrit. 2, H315 / Asp. Tox. 1, H304 / STOT SE 3, H336 / Aquatic Chronic 2, H411

**REACH**

CAS No	Name	REACH registration number
64-17-5	ethanol	01-2119457610-43
110-54-3	n-hexane	01-2119480412-44
110-82-7	cyclohexane	01-2119463273-41
64742-49-0	Naphtha (petroleum), hydrotreated light (Nota P<0,1% Benzol)	01-2119475133-43

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

Remove contaminated soaked clothing immediately and dispose it safely.

**In case of inhalation**

Remove the casualty into fresh air and keep him immobile.

In the event of symptoms refer for medical treatment.

**In case of skin contact**

In case of contact with skin wash off immediately with soap and water.

Consult a doctor if skin irritation persists.

**In case of eye contact**

In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.



**In case of ingestion**

Do not induce vomiting.

Call for a doctor immediately.

Rinse out mouth and give plenty of water to drink.

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

**Physician's information / possible symptoms**

Unconsciousness

vomiting

Respiratory complaints

Headache

Confusion

skin irritation

**Physician's information / possible dangers**

Risk of pulmonary oedema

Risk of pneumonia

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

**Treatment (Advice to doctor)**

Continue to monitor for pneumonia and pulmonary oedema.

If swallowed or in the event of vomiting, risk of entering the lungs.

Keep under medical supervision for at least 48 hours.

Symptoms may not occur until several hours.

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**! SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

Foam

Dry powder

Carbon dioxide

**! Unsuitable extinguishing media**

Full water jet

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

May lead to formation of explosive/easily ignitable vapour air mixtures.

In case of fire formation of dangerous gases possible.

Carbon monoxide (CO)

Carbon dioxide (CO<sub>2</sub>)

**5.3. Advice for firefighters**

**Special protective equipment for fire-fighters**

Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus.

Do not inhale explosion and/or combustion gases.

**Additional information**

Cool endangered containers with water spray jet.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

Collect contaminated firefighting water separately, must not be discharged into the drains.



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## **! SECTION 6: Accidental release measures**

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

#### **For non-emergency personnel**

Ensure adequate ventilation.

Use personal protective clothing.

Keep away sources of ignition.

Use breathing apparatus if exposed to vapours/dust/aerosol.

### **6.2. Environmental precautions**

Inform pollution control authorities if product gets into the sewerage systems or open waters.

Do not discharge into the drains or bodies of water..

Do not discharge into the drains/surface waters/groundwater.

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

Disposal according to regulations.

Take up with absorbent material.

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

Safe handling: see section 7

Disposal: see section 13

Personal protection equipment: see section 8

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## **! SECTION 7: Handling and storage**

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

#### **! Advice on safe handling**

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

Take the usual precautions when handling with chemicals.

#### **General protective measures**

Avoid contact with eyes and skin

Do not inhale gases/vapours/aerosols.

#### **Hygiene measures**

At work do not eat, drink and smoke.

Wash hands before breaks and after work.

#### **Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking

Vapours can form an explosive mixture with air.

Take precautionary measures against static discharges.

Pay attention to general rules of internal fire prevention.

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

#### **Requirements for storage rooms and vessels**

Keep in closed original container.

#### **Advice on storage compatibility**

Do not store with acids.

Do not store together with animal feedstuffs.

Do not store together with food.

Do not store together with oxidizing agents.

#### **Further information on storage conditions**

Protect from sparks and flames.

Keep container tightly closed and store at cool and aired place.

Protect from heat and direct solar radiation.

Recommended storage temperature: room temperature.

**Silicone liquid****7.3. Specific end use(s)****Recommendation(s) for intended use**

See section 1.2

**! SECTION 8: Exposure controls/personal protection****8.1. Control parameters****! Ingredients with occupational exposure limits to be monitored**

CAS No	Name	Code	[mg/m3]	[ppm]	Remark
110-82-7	Cyclohexane	8 hours Short-term	350 1050	1050 300	EH40/2005
64-17-5	ethanol	8 hours	1920	1000	EH40/2005
110-54-3	n-hexane	8 hours	72	20	EH40/2005

**Indicative occupational exposure limit values (91/322/EEC, 2000/39/EC, 2006/15/EC or 2009/161/EU)**

CAS No	Name	Code	[mg/m3]	[ppm]	Remark
110-54-3	n-hexane	8 hours	72	20	
110-82-7	cyclohexane	8 hours	700	200	

**DNEL-/PNEC-values****DNEL worker**

CAS No	Substance name	Value	Code	Remark
110-54-3	n-hexane	75 mg/m3	DNEL long-term inhalative (systemic)	
110-82-7	cyclohexane	700 mg/m3	DNEL acute inhalative (systemic)	
		700 mg/m3	DNEL long-term inhalative (systemic)	
64-17-5	ethanol	950 mg/m3	DNEL acute inhalative (systemic)	
		343 mg/kg	DNEL long-term dermal (systemic)	
		1900 mg/m3	DNEL acute inhalative (local)	

**PNEC**

CAS No	Substance name	Value	Code	Remark
110-82-7	cyclohexane	3,627 mg/ kg dw	PNEC sediment, marine water	
		0,207 mg/l	PNEC aquatic, intermittent release	
		3,24 mg/l	PNEC sewage treatment plant (STP)	

**Additional advice**

The statutory local and national regulations have to be observed.

**8.2. Exposure controls****! Respiratory protection**

If ventilation insufficient, wear respiratory protection.

In case of insufficient ventilation or long-term effect use breathing apparatus.

**Hand protection**

In the cases of special applications, it is recommended to check the chemical resistance with the manufacturer of the gloves.

In the cases of special applications, it is recommended to check the chemical resistance with the manufacturer of the gloves.

Glove material specification [make/type, thickness, permeation time/life, wetting resistance]: fluorinated rubber; 0,7mm; 480min; 60min;

**Silicone liquid****Eye protection**

tightly fitting goggles

**Other protection measures**

protective clothing

**Appropriate engineering controls**

Sufficient ventilation and exhaustion.

**! SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties****Appearance**

liquid

**Colour**

colourless, clear

**Odour**

like mineral oil

**Odour threshold**

not determined

**Important health, safety and environmental information**

	Value	Temperature	at	Method	Remark
<b>pH value</b>	not applicable				
<b>boiling point</b>	not applicable				
<b>melting point</b>	not applicable				
<b>Flash point</b>	< 21 °C			closed cup	
<b>Vapourisation rate</b>	not determined				
<b>Flammable (solid)</b>	not determined				
<b>Flammability (gas)</b>	not determined				
<b>Ignition temperature</b>	not determined				
<b>Self ignition temperature</b>					The product is not self-igniting.
<b>Lower explosion limit</b>	not determined				
<b>Upper explosion limit</b>	not determined				
<b>Vapour pressure</b>	> 36 hPa				
<b>Relative density</b>	ca. 0,7 g/ml	20 °C			
<b>Vapour density</b>	not determined				
<b>Solubility in water</b>					immiscible
<b>Solubility/other</b>				Organic solvent	soluble
<b>Partition coefficient n-octanol/water (log P O/W)</b>	not determined				

**Silicone liquid**

	Value	Temperature	at	Method	Remark
<b>Decomposition temperature</b>	not determined				
<b>Viscosity dynamic</b>	not determined				
<b>Viscosity kinematic</b>	not determined				
<b>Solvent content</b>	> 90 %				
<b>Oxidising properties</b> No information available.					
<b>Explosive properties</b> no					
<b>9.2. Other information</b> No information available.					

**! SECTION 10: Stability and reactivity****10.1. Reactivity**

No information available.

**10.2. Chemical stability**

The product is chemically stable under recommended conditions of storage, use and temperature.

**10.3. Possibility of hazardous reactions**

Reactions with acids and strong oxidising agents.

Risk of bursting.

Formation of explosive gas/air mixtures.

**10.4. Conditions to avoid**

Keep away from heat.

Because of the high vapour pressure, containers are liable to burst if temperature rises.

**10.5. Incompatible materials****! Substances to avoid**

Acid, concentrated

Oxidising agent

**10.6. Hazardous decomposition products**

Carbon monoxide and carbon dioxide.

**Thermal decomposition**

Remark No decomposition if used as directed.

**! SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute toxicity/Irritation/Sensitization**



**Silicone liquid**

	Value/Validation	Species	Method	Remark
<b>Skin irritation</b>	irritant			
<b>Eye irritation</b>	strong irritant			
<b>Skin sensitization</b>	non-sensitizing			

**! Specific target organ toxicity (single exposure)**

May cause drowsiness or dizziness.

**! Aspiration hazard**

May be fatal if swallowed and enters airways.

**Experiences made from practice**

Often and long skin contact may cause degreasing and desiccation of the skin which may cause skin irritation.

Vapours may cause dizziness, headaches and tiredness

When inhaled, reaction time and coordination sense may be reduced.

Irritates eyes and skin.

**! Additional information**

The product is to be handled with the caution usual with chemicals.

Other hazardous properties may not be excluded.

The product has not been tested. The information is derived from the properties of the individual components.

**SECTION 12: Ecological information****12.1. Toxicity**

No information available.

**12.2. Persistence and degradability**

	Elimination rate	Method of analysis	Method	Validation
<b>Biological degradability</b>				Biodegradable
	The product is highly volatile and can be largely eliminated from the water by stripping.			

**12.3. Bioaccumulative potential**

Slight bioaccumulation potential.

**12.4. Mobility in soil**

No information available.

**12.5. Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**12.6. Other adverse effects****Additional ecological information**

	Value	Method	Remark
<b>AOX</b>	The product contains no organically bound halogen in accordance with the formulation.		

**General regulation**

Toxic to aquatic life with long lasting effects.

Do not allow uncontrolled leakage of product into the environment.

Product is not allowed to be discharged into the ground water or aquatic environment.

Product is not allowed to be discharged into aquatic environment, drains or sewage treatment plants.

**! SECTION 13: Disposal considerations****13.1. Waste treatment methods****Recommendations for the product**

Remove in accordance with local official regulations.

**Recommendations for packaging**

Dispose of according to the local waste regulations.

Packaging that cannot be cleaned should be disposed of like the product.

**! General information**

Assignment to a waste code number / waste identification according to the EWC is to be carried out on a sector or process-specific basis.

**! SECTION 14: Transport information**

	<b>ADR/RID</b>	<b>IMDG</b>	<b>IATA-DGR</b>
<b>14.1. UN number</b>	3295	3295	3295
<b>14.2. UN proper shipping name</b>	HYDROCARBONS, LIQUID, N.O.S. (Naphtha (petroleum), hydrotreated light (Nota P<0, 1% Benzol))	HYDROCARBONS, LIQUID, N.O.S. (Naphtha (petroleum), hydrotreated light (Nota P<0, 1% Benzol))	Hydrocarbons, liquid, n.o.s. (Naphtha (petroleum), hydrotreated light (Nota P<0, 1% Benzol))
<b>14.3. Transport hazard class(es)</b>	3	3	3
<b>14.4. Packing group</b>	II	II	II
<b>14.5. Environmental hazards</b>	Yes	Yes	Yes

**14.6. Special precautions for user**

No information available.

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

not applicable

**Land and inland navigation transport ADR/RID**

Hazard label(s) 3

tunnel restriction code D/E

Special provisions 640D

Classification code F1

**Marine transport IMDG**

MARINE POLLUTANT

**! SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****VOC standard**

VOC content 82,8 %

VOC value 645,9 g/L

**15.2. Chemical Safety Assessment**

Chemical safety assessments for substances in this mixture were not carried out.



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## ! SECTION 16: Other information

### ! Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

For industrial use only.

### Further information

Each user is responsible for the implementation of the national special regulations.

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Please observe the following disclaimer! --- Our safety data sheets have been compiled according to effective EU-directives, WITHOUT taking into account the special national directives concerning the handling of hazardous substances.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 8.4

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H361f	Suspected of damaging fertility or the unborn child (state specific effect if known) (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
H373	May cause damage to organs (or state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.