

Weicon GmbH

Revision date: 31.01.2010

Revision no.:

1,00

Stainless Steel Care-Liquid

7619-0141

**1. Product and Company Identification****Commercial product name**

Stainless Steel Care-Liquid

**Further trade names**

15590

**Chemical characterization ( Mixture )**

Preparation with aliphatic hydrocarbons

**Company/undertaking identification****Manufacturer**

Weicon GmbH

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**2. Hazards Identification****Route(s) of Entry**

Skin and eye contact, inhalation and ingestion.

**Signs and Symptoms of Exposure**

CAUTION !

Highly flammable

Attention. Beware of aspiration danger.

Irritating to skin.

OSHA Hazard Communication: This material is considered hazardous by the OSHA Hazard Communication Standard 29CFR 1910.1200.

Carcinogenicity (NTP): Not listed

Carcinogenicity (IARC): Not listed

Carcinogenicity (OSHA): Not listed

**Special hazards for human health and environment**

Welding and brazing processes can cause spatter, melting metal and UV/IR heat can cause burns or start fires.

During welding- and brazing processes formed metallic fumes are suspected of being cancer causing agents.

**3. Composition/Information on Ingredients****Hazardous components**

CAS No.	Components	Quantity
64-17-5	ethanol, ethyl alcohol	25 - 50 %
64742-48-9	Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha	10 - 25 %
111-76-2	2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether	10 - 25 %
64742-49-0	Naphtha (petroleum), hydrotreated light	10 - 25 %

**4. First Aid Measures****General information**

Remove contaminated soaked clothing immediately.

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If you feel unwell, seek medical advice.

**After inhalation**

Move to fresh air in case of accidental inhalation of vapours.  
In the event of symptoms refer for medical treatment.

**After contact with skin**

In case of contact with skin wash off with water.  
In case of irritation consult a physician.

**After contact with eyes**

Rinse thoroughly with plenty of water, also under the eyelids.  
If eye irritation persists, consult a specialist.

**After ingestion**

Do not induce vomiting.  
Seek medical treatment immediately.  
Rinse out mouth and give plenty of water to drink.

**Advice to physician**

Attention. Beware of aspiration danger.

The following symptoms may occur:

Anaesthetic state  
Unconsciousness  
Headache  
Nausea  
Confusion  
Dizziness

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**5. Fire Fighting Measures**

**Suitable extinguishing media**

Foam  
Dry powder  
Carbon dioxide

**Unsuitable extinguishing media**

Full water jet

**Special hazards arising from the chemical**

Fire may produce:  
Carbon monoxide and carbon dioxide.

**Protective equipment and precautions for firefighters**

Use breathing apparatus with independent air supply.

**Additional information**

Cool containers at risk with water spray jet.

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**6. Accidental Release Measures**

**Personal precautions**

In case of vapour formation use respirator.  
Keep away sources of ignition.  
Ensure adequate ventilation.  
Use personal protective clothing.

**Environmental precautions**

Do not discharge into the drains or bodies of water.  
Do not discharge into the subsoil/soil.

**Methods for cleaning up/taking up**

Take up residues with suitable absorbent materials.  
Shovel into suitable container for disposal.

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**7. Handling and Storage**

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**Handling****Advice on safe handling**

Keep container tightly closed.

Avoid contact with skin, eyes and clothing.

Use only in well-ventilated areas.

**Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking.

Pay attention to anti-explosion rules.

Take measures against electrostatic charging.

Vapours can form an explosive mixture with air.

**Storage****Requirements for storage rooms and vessels**

Keep container tightly closed in a dry, cool and well-ventilated place.

Protect from heat and direct solar radiation.

Store only in original container at temperature of 50°C maximum (=122°F).

Recommended storage temperature: room temperature.

**8. Exposure Controls/Personal Protection****Exposure limit values****Exposure limits**

CAS No.	Components	ppm	mg/m <sup>3</sup>	fib/cc	Category	Origin
111-76-2	2-Butoxyethanol	50	240		TWA (8 h)	PEL
		5	24		TWA (8 h)	REL
	2-Butoxyethanol (EGBE)	20	97		TWA (8 h)	TLV
		-	-		STEL (15 min)	TLV
		-	-		Peak	TLV
64-17-5	Ethyl alcohol	1000	1900		TWA (8 h)	REL
	Ethyl alcohol (Ethanol)	1000	1900		TWA (8 h)	PEL

**Occupational exposure controls**

Ensure adequate ventilation, especially in confined areas.

**Protective and hygiene measures**

At work do not eat, drink and smoke.

Wash hands and skin before breaks and after work.

When using, do not eat, drink or smoke.

Avoid contact with skin, eyes and clothing.

**Respiratory protection**

Use suitable breathing apparatus if there is inadequate ventilation.

**Hand protection**

Protective gloves resistant to chemicals made off nitrile, Minimum coat thickness 0.4 mm, Permeation resistance (wear duration) approx. 480 minutes, i.e. protective glove <Camatril 735> made by www.kcl.de. Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions.

**Eye protection**

Safety goggles with side protection

**Skin protection**

Protective clothing

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## 9. Physical and Chemical Properties

### Appearance

Form: Liquid  
 Color: Clear  
 Odor: Solvent-like

### Important health, safety and environmental information

	Test method
pH-Value:	n.a.

### **Changes in the physical state**

Boiling point:	>78 °C
Flash point:	<0 °C

### **Explosive properties**

"The product is considered non-explosive; nevertheless explosive vapour/air mixture can be generated."

Lower explosion limits:	0,7 vol. %
Upper explosion limits:	15 vol. %
Vapour pressure: (at 20 °C)	59 hPa
Density:	0,779 g/cm <sup>3</sup>
Water solubility:	Insoluble

### **Solvent content**

91,7%

### Other information

Ignition temperature:	200 °C
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## **10. Stability and Reactivity**

### **Stability**

Stable

### **Conditions to avoid**

Keep away from heat and sources of ignition.  
 Vapour/air mixtures are explosive at intensive warming.  
 Heating can release vapours which can be ignited.

### **Materials to avoid**

Reactions with acids and strong oxidizing agents.

### **Hazardous decomposition products**

Carbon monoxide and carbon dioxide.

### **Possibility of Hazardous Reactions**

Will not occur

### **Additional information**

No decomposition if used as directed.

## 11. Toxicological Information

### **Corrosive and irritant effects**

Skin irritation: Irritant  
 Eye irritation: Non-irritant  
 Irritates respiratory tract.

### **Sensitizing effects**

Skin sensitization, remark : Non-sensitizing

### **Empirical data on effects on humans**

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Inhalation of vapours in high concentration can cause narcotic effects.

**Further information**

Vapours may cause drowsiness and dizziness. Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.

**12. Ecological Information****Ecotoxicity**

No data available.

**Further information**

Do not discharge product unmonitored into the environment.

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

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**13. Disposal Considerations****Advice on disposal**

Remove in accordance with local official regulations.

Where possible recycling is preferred to disposal.

If recycling is not practicable, dispose of in compliance with local regulations.

**14. Transport Information****US DOT 49 CFR 172.101****Proper shipping name**

FLAMMABLE LIQUID, N.O.S. (Ethanol, Petroleum )

ID Number: UN1993

Hazard Class or Division: 3

Packing group: II

Label: 3

**Land transport (ADR/RID)**

UN number: 1993

ADR/RID class: 3

Classification Code: F1

Warning plate

Hazard-no.: 33

Hazard label: 3



ADR/RID packing group: II

Limited quantity: LQ4

**Description of the goods**

FLAMMABLE LIQUID, N.O.S. (Ethanol, Petroleum )

**Other applicable information**

Special provision:: 640C 649

Transport category:: 2

Tunnel restriction code:: D1E

**Marine transport**

UN number: 1993

IMDG code: 3

Marine pollutant: P

Hazard label: 3

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IMDG packing group:

II

EmS:

F-E, S-E

Limited quantity:

1 L

**Description of the goods**

FLAMMABLE LIQUID, N.O.S. (Ethanol, Petroleum )

**Other applicable information**

Special provision:: 944

**Air transport**

UN/ID number:

1993

ICAO/IATA-DGR:

3

Hazard label:

3



ICAO packing group:

II

Limited quantity Passenger:

1 L

IATA-packing instructions - Passenger:

305

IATA-max. quantity - Passenger:

5 L

IATA-packing instructions - Cargo:

307

IATA-max. quantity - Cargo:

60 L

**Description of the goods**

FLAMMABLE LIQUID, N.O.S. (Ethanol, Petroleum )

**Other applicable information**

: Y305

**15. Regulatory Information****U.S. Regulations****National Inventory TSCA**

All of the components are listed on the TSCA inventory.

**SARA**

This product contains toxic chemical(s) subject to the reporting requirements of Section 313 of the Superfund Amendments and Reauthorization Act (SARA/EPCRA) and the requirements of 40 CFR Part 372. Any such toxic chemical(s) are shown below.

Isopropanol, CAS No. 67-63-0 (max. 30%)

**16. Other Information****Hazardous Materials Information Label (HMIS)**

Health: 1

Flammability: 3

Physical Hazard: 0

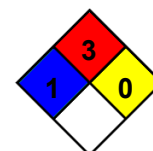
**NFPA Hazard Ratings**

Health: 1

Flammability: 3

Reactivity: 0

Unique Hazard:

**Other data**

Data of sections 4 to 8, as well as 10 to 12, do not necessarily refer to the use and the regular handling of the



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product (in this sense consult package leaflet and expert information), but to release of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product (s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

Literature:

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*