

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

Electro Contact Cleaner

Code-Nr. 152120

**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 &amp; 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

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 &amp; 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	
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Skin Irrit. 2	H315	
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STOT SE 3	H336	
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Asp. Tox. 1	H304	
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Aquatic Chronic 2	H411	
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**Hazard Statements**

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.

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.  
 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.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 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.  
 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.  
 P362 Take off contaminated clothing.  
 P370 + P378 In case of fire: Use dry sand to extinguish.  
 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.

### Hazardous ingredients for labeling

Naphtha (petroleum), hydrotreated light, pentane

### 2.3. Other hazards

Product has an anesthetic effect.

**Electro Contact Cleaner****Information pertaining to special dangers for human and environment**

In extensive use, formation of flammable / explosive vapour-air mixture is possible.

**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****Hazardous ingredients**

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
109-66-0	203-692-4	pentane	10 < 25	Flam. Liq. 2, H225 / Asp. Tox. 1, H304 / STOT SE 3, H336 / Aquatic Chronic 2, H411
64742-49-0	921-024-6	Naphtha (petroleum), hydrotreated light	50 < 75	Flam. Liq. 2, H225 / Asp. Tox. 1, H304 / Aquatic Chronic 2, H411 / Skin Irrit. 2, H315 / STOT SE 3, H336
64-17-5	200-578-6	ethanol	3 < 10	Flam. Liq. 2, H225 / Eye Irrit. 2, H319

**REACH**

CAS No	Name	REACH registration number
64742-49-0	Naphtha (petroleum), hydrotreated light	01-2119475514-35
64-17-5	ethanol	01-2119457610-43

**Labelling for contents according to regulation (EC) No 648/2004, annex VII**

30 % and more aliphatic hydrocarbons

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

Remove contaminated soaked clothing immediately.

**In case of inhalation**

Ensure of fresh air.

In the event of symptoms refer for medical treatment.

**In case of skin contact**

In case of contact with skin wash off 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.

**4.2. Most important symptoms and effects, both acute and delayed****Physician's information / possible symptoms**

The following symptoms may occur:

Unconsciousness

Delirious state

vomiting

Headache

Confusion



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

No information available.

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**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

Alcohol-resistant foam

Dry powder

Carbon dioxide

Water spray jet

**Unsuitable extinguishing media**

Full water jet

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

In case of fire formation of dangerous gases possible.

**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.

**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.

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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.

**For emergency responders**

Pay attention to extension of gas especially at ground (heavier than air) and in direction of the wind.

**6.2. Environmental precautions**

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

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

Do not discharge into the subsoil/soil.

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

Allow to vaporise.

Take up residues with absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr).

After taking up the material dispose according to regulation.

**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

Avoid formation of aerosols.

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

#### General protective measures

Avoid contact with eyes and skin

Do not inhale 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.

Avoid effect of heat.

### 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 together with animal feedstuffs.

Do not store together with food.

#### Further information on storage conditions

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

Protect from heat and direct solar radiation.

Storage temperature may not exceed 50°C (=122°F).

Recommended storage temperature: room temperature.

### 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

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

CAS No	Name	Code	[mg/m <sup>3</sup> ]	[ppm]	Remark
109-66-0	pentane	8 hours	3000	1000	

#### DNEL-/PNEC-values

##### DNEL worker

CAS No	Substance name	Value	Code	Remark
64742-49-0	Naphtha (petroleum), hydrotreated light	773 mg/kg bw/day	DNEL long-term dermal (systemic)	
		2035 mg/m <sup>3</sup>	DNEL long-term inhalative (systemic)	



# Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Printed 02.09.2016

revision 03.08.2016 (GB) Version 8.4

## Electro Contact Cleaner

### DNEL Consumer

CAS No	Substance name	Value	Code	Remark
64742-49-0	Naphtha (petroleum), hydrotreated light	699 mg/kg bw/day	DNEL long-term oral (repeated)	
		699 mg/kg bw/day	DNEL long-term dermal (systemic)	
		608 mg/m <sup>3</sup>	DNEL long-term inhalative (systemic)	

### Additional advice

The statutory local and national regulations have to be observed.

### 8.2. Exposure controls

#### Respiratory protection

If ventilation insufficient, wear respiratory protection.

Filter A or environment-independent breathing apparatus

#### Hand protection

Gloves (solvent-resistant)

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

Glove material specification: Nitrile rubber

Chemical protective gloves must be chosen carefully in view of their design and depending on the dependence on the concentration and amounts of dangerous goods used in the specific working tasks.

#### 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

characteristic

#### Odour threshold

not determined

### Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
<b>pH value</b>	not determined				
<b>boiling point</b>	36 °C				
<b>melting point</b>	not determined				
<b>Flash point</b>	-35 °C				
<b>Vapourisation rate</b>	not determined				



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**Electro Contact Cleaner**

	Value	Temperature	at	Method	Remark
<b>Flammable (solid)</b>	not applicable				
<b>Flammability (gas)</b>	not applicable				
<b>Ignition temperature</b>	200 °C				
<b>Self ignition temperature</b>					The product is not self-igniting.
<b>Lower explosion limit</b>	0,8 Vol-%				
<b>Upper explosion limit</b>	15 Vol-%				
<b>Vapour pressure</b>	573 hPa	20 °C			
<b>Relative density</b>	0,669 g/cm <sup>3</sup>	20 °C			
<b>Vapour density</b>	not determined				
<b>Solubility in water</b>	5 g/l	20 °C			
<b>Solubility/other</b>	not determined				
<b>Partition coefficient n-octanol/water (log P O/W)</b>	not determined				
<b>Decomposition temperature</b>	not determined				
<b>Viscosity dynamic</b>	not determined				
<b>Viscosity kinematic</b>	not determined				
<b>Solvent content</b>	100 %				
<b>Oxidising properties</b>	No information available.				
<b>Explosive properties</b>	The product is considered non-explosive ; nevertheless explosive vapour/air mixtures can be generated .				
<b>9.2. Other information</b>	No information available.				

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

No information available.

**10.2. Chemical stability**

No information available.

**10.3. Possibility of hazardous reactions**

No hazardous reactions known.

**10.4. Conditions to avoid**

Keep away from heat.

Uncleaned empty vessels may contain product gases which can form explosive mixtures with air.

**10.5. Incompatible materials**

No information available.

**10.6. Hazardous decomposition products**

No hazardous decomposition products known.

**Thermal decomposition**

Remark No decomposition if used as directed.

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

	Value/Validation	Species	Method	Remark
<b>LD50 acute oral</b>	> 5840 mg/kg	rat		Naphtha
<b>LD50 acute dermal</b>	> 2920 mg/kg	rabbit		Naphtha
<b>LC50 acute inhalation</b>	> 25 mg/l (4 h)	rat		Naphtha
<b>Skin irritation</b>	irritant			
<b>Eye irritation</b>	non-irritant			
<b>Skin sensitization</b>	non-sensitizing			

**Experiences made from practice**

Irritates respiratory tract.

Irritates mucous membranes.

Inhalation causes narcotic effect/intoxication.

**Additional information**

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

Other hazardous properties may not be excluded.

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

	Value	Species	Method	Validation
<b>Fish</b>	LC50 4,26 mg/l (96 h)	Oncorhynchus mykiss		Pentane
<b>Daphnia</b>	EC50 3 mg/l (48 h)	Daphnia magna		Naphtha
<b>Algae</b>	EC50 10,7 mg/l (72 h)	Pseudokirchneriella subcapitata		Pentane

**12.2. Persistence and degradability**





No information available.

**12.3. Bioaccumulative potential**

No information available.

**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****General regulation**

Toxic to aquatic life, fishes and plankton.

Even in the event of low quantities penetration into the underground drinking water is contaminated.

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****Waste code No.**

15 01 10\*

**Name of waste**

packaging containing residues of or contaminated by hazardous substances

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC on hazardous waste.

**Recommendations for the product**

Remove in accordance with local official regulations.

**Recommendations for packaging**

Dispose of according to the local waste regulations.

**SECTION 14: Transport information**

	<b>ADR/RID</b>	<b>IMDG</b>	<b>IATA-DGR</b>
<b>14.1. UN number</b>	1993	1993	1993
<b>14.2. UN proper shipping name</b>	FLAMMABLE LIQUID, N.O.S. (NAPHTHA (PETROLEUM), Pentanes)	FLAMMABLE LIQUID, N.O.S. (NAPHTHA (PETROLEUM), Pentanes)	Flammable liquid, n.o.s. (NAPHTHA (PETROLEUM), Pentanes)
<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
<b>14.6. Special precautions for user</b>	Caution: FLAMMABLE LIQUID		
<b>14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	not applicable		



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

Hazard label(s) 3

tunnel restriction code D/E

Special provisions 640C

Classification code F1

transport in "limited quantities" according to 3.4 ADR is possible

**Marine transport IMDG**

MARINE POLLUTANT

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**SECTION 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**VOC standard**

VOC content 100 %

VOC value 669 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.

Danish MAL-code: 5-3

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 8.3

- 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.