

**Section 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

**Product name:** CONTACT CLEANER

**Product code:** 702.400.000

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

**Use of substance / mixture:** Cleaning agent / Cleaner

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

**Company name:** ECS AG

Roosstrasse 53

CH-8832 Wollerau

Switzerland

**Tel:** +41 (0)44 / 787 53 56

**Email:** gunnar.kleinmann@ecsag.com

**1.4. Emergency telephone number**

**Emergency tel:** Germany: Vergiftungs-Informations-Zentrale; +49 761 19240

**Section 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification under CLP:** Skin Irrit. 2: H315; STOT SE 3: H336; Aquatic Chronic 2: H411; Flam. Aerosol 1: H222; Asp. Tox. 1: H304; -: H229

**Most important adverse effects:** Extremely flammable aerosol. Pressurised container: May burst if heated. Causes skin irritation. May cause drowsiness or dizziness. Toxic to aquatic life with long lasting effects. May be fatal if swallowed and enters airways.

**2.2. Label elements**

**Label elements:**

**Hazard statements:** H222: Extremely flammable aerosol.

H229: Pressurised container: May burst if heated

H315: Causes skin irritation.

H336: May cause drowsiness or dizziness.

H411: Toxic to aquatic life with long lasting effects.

H304: May be fatal if swallowed and enters airways.

**Hazard pictograms:** GHS02: Flame

GHS09: Environmental

GHS07: Exclamation mark



# SAFETY DATA SHEET

## CONTACT CLEANER

Page: 2

**Signal words:** Danger

**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.

P211: Do not spray on an open flame or other ignition source.

P251: Do not pierce or burn, even after use.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P362+364: Take off contaminated clothing and wash it before reuse.

P410+412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

P501: Dispose of to.

### 2.3. Other hazards

**Other hazards:** Buildup of explosive mixtures without sufficient ventilation.

**PBT:** This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients:

KOHLLENWASSERSTOFFE, C6, ISOALKANE, <5%N-HEXAN - REACH registered number(s): 01-2119484651-34

EINECS	CAS	PBT / WEL	CLP Classification	Percent
931-254-9	-	-	Flam. Liq. 2: H225; Asp. Tox. 1: H304; Aquatic Chronic 2: H411; Skin Irrit. 2: H315; STOT SE 3: H336	70.000%

#### ETHANOL

200-578-6	64-17-5	Substance with a Community workplace exposure limit.	Flam. Liq. 2: H225	10.000%
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#### KOHLENDIOXID

204-696-9	124-38-9	Substance with a Community workplace exposure limit.	Press. Gas: H280	5.000%
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## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. Consult a doctor.

**Eye contact:** Rinse opened eye for several minutes under running water.

**Ingestion:** If symptoms persist consult doctor.

**Inhalation:** In case of unconsciousness place patient stably in side position for transportation.

[cont...]

# SAFETY DATA SHEET

## CONTACT CLEANER

Page: 3

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

**Skin contact:** Causes skin irritation.

**Eye contact:** Based on available data, the classification criteria are not met.

**Ingestion:** May be fatal if swallowed and enters airways.

**Inhalation:** Drowsiness or mental confusion may occur.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

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

**Immediate / special treatment:** No further relevant information available.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Carbon dioxide. Dry chemical powder. Water spray. Fight Larger fires with water spray or alcohol resistant foam.

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

**Exposure hazards:** No further relevant information available.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Protective equipment: No special measures required. Additional information: Collect contaminated fire fighting water separately. It must not enter the sewage system.

## Section 6: Accidental release measures

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

**Personal precautions:** Wear protective equipment. Keep unprotected persons away.

### 6.2. Environmental precautions

**Environmental precautions:** Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/surface or ground water.

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

**Clean-up procedures:** Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.

### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS. Refer to section 13 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Ensure good ventilation/exhaustion at the workplace. Keep ignition sources away - Do not smoke. Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use. Do not spray onto a naked flame or any incandescent material.

[cont...]

# SAFETY DATA SHEET

## CONTACT CLEANER

Page: 4

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

**Storage conditions:** Observe official regulations on storing packagings with pressurised containers.  
Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use. Storage class: 2B

### 7.3. Specific end use(s)

**Specific end use(s):** No data available.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Hazardous ingredients:**

**ETHANOL**

**Workplace exposure limits:**

**Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1920 mg/m <sup>3</sup>	-	-	-

**KOHLENDIOXID**

EU	9100 mg/m <sup>3</sup>	-	-	-
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### DNEL/PNEC Values

**DNEL / PNEC** No data available.

### 8.2. Exposure controls

**Engineering measures:** Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

**Respiratory protection:** In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device. Short term filter device:  
Filter AX

**Hand protection:** Protective gloves. The glove material has to be impermeable and resistant to the product / the substance / the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. Nitrile gloves. Recommended thickness of the material:  $\geq 0,4\text{mm}$  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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. Breakthrough time of the glove material > 8 hours.

**Eye protection:** Tightly fitting safety goggles.

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# SAFETY DATA SHEET

CONTACT CLEANER

Page: 5

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**State:** Aerosol

**Colour:** Colourless

**Odour:** Characteristic odour

**Solubility in water:** Not miscible or difficult to mix.

**Viscosity:** No data available.

**Boiling point/range°C:** Not applicable.

**Melting point/range°C:** Undetermined.

**Flammability limits %: lower:** 1,0 Vol %

**upper:** 15,0 Vol %

**Flash point°C:** -26°C

**Autoflammability°C:** >200°C

**Vapour pressure:** at 20°C: 6500hPa

**Relative density:** Not determined.

**pH:** Not applicable.

**VOC g/l:** 95,2 %

### 9.2. Other information

**Other information:** Product is not selfigniting. Product is not explosive. However, formation of explosive air / vapour mixtures are possible. Density at 20 °C: 0,04 g/cm<sup>3</sup>

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** No further relevant information available.

### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** No dangerous reactions known.

### 10.4. Conditions to avoid

**Conditions to avoid:** No further relevant information available.

### 10.5. Incompatible materials

**Materials to avoid:** No further relevant information available.

### 10.6. Hazardous decomposition products

**Haz. decomp. products:** No dangerous decomposition products known.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

[cont...]

# SAFETY DATA SHEET

## CONTACT CLEANER

Page: 6

### Hazardous ingredients:

#### KOHLWASSERSTOFFE, C6, ISOALKANE, <5%N-HEXAN

DERMAL	RAT	1H LC50	>3000	mg/kg
GASES	RAT	4H LC50	>20	mg/l
ORAL	RAT	LD50	>5000	mg/kg

#### ETHANOL

IVN	RAT	LD50	1440	mg/kg
ORL	MUS	LD50	3450	mg/kg
ORL	RAT	LD50	7060	mg/kg

### Relevant hazards for product:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
STOT-single exposure	-	Hazardous: calculated
Aspiration hazard	-	Hazardous: calculated

### Symptoms / routes of exposure

**Skin contact:** Causes skin irritation.

**Eye contact:** Based on available data, the classification criteria are not met.

**Ingestion:** May be fatal if swallowed and enters airways.

**Inhalation:** Drowsiness or mental confusion may occur.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

## Section 12: Ecological information

### 12.1. Toxicity

#### Hazardous ingredients:

#### KOHLWASSERSTOFFE, C6, ISOALKANE, <5%N-HEXAN

Daphnia magna	LC50/48h	3,87	mg/l
Oryzias latipes	LC50/48h	>1	mg/l

### 12.2. Persistence and degradability

**Persistence and degradability:** No further relevant information available.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No further relevant information available.

### 12.4. Mobility in soil

**Mobility:** No further relevant information available.

[cont...]

# SAFETY DATA SHEET

## CONTACT CLEANER

Page: 7

### 12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT/vPvB substance.

### 12.6. Other adverse effects

**Other adverse effects:** Toxic for fish Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground. Also poisonous for fish and plankton in water bodies. Toxic for aquatic organisms.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Must not be disposed together with household garbage. Do not allow product to reach sewage system.

**Waste code number:** 15 01 10

**Disposal of packaging:** 15 01 04 metallic packaging Recommendation: Disposal must be made according to official regulations.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

### 14.1. UN number

**UN number:** UN1950

### 14.2. UN proper shipping name

**Shipping name:** AEROSOLS, Environmentally Hazardous  
(Hydrocarbons, C6, ISOALKANES, <5%N-HEXANE)

### 14.3. Transport hazard class(es)

**Transport class:** 2 (5F+Gase)

### 14.4. Packing group

**Packing group:** entfällt

### 14.5. Environmental hazards

**Environmentally hazardous:** Yes

**Marine pollutant:** No

### 14.6. Special precautions for user

**Special precautions:** Warning: Gases EMS Number: F-D,S-U Stowage Code: SW1, SW22 Segregation Code: SG69

**Tunnel code:** D

**IMDG seg. group:** LQ: 1L; EQ: E0

[cont...]

# SAFETY DATA SHEET

CONTACT CLEANER

Page: 8

## 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

**Transport in bulk:** not applicable

## Section 15: Regulatory information

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

**Specific regulations:** Directive 2012/18/EU Named dangerous substances - ANNEX 1 None of the ingredients is listed. Seveso category:  
E2 Hazardous to the Aquatic Environment  
P3b Flammable Aerosols Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t. Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t.

### 15.2. Chemical Safety Assessment

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## Section 16: Other information

### Other information

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and s.3:** H222: Extremely flammable aerosol.  
H225: Highly flammable liquid and vapour.  
H229: Pressurised container: May burst if heated  
H280: Contains gas under pressure; may explode if heated.  
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.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.



