

Section 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier****Product name:** OXYD-OFF**Product code:** 701.400.000**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: Intoxications Information Center; +49 761 19240

Switzerland: Swiss Toxicological Information Centre; +41 44 251 51 51

Austria: Intoxication information center; +43 1 406 43 43

Section 2: Hazards identification**2.1. Classification of the substance or mixture****Classification under CLP:** Flam. Aerosol 1: H222; STOT SE 3: H336; Aquatic Chronic 2: H411; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Asp. Tox. 1: H304; -: H229**Most important adverse effects:** Extremely flammable aerosol. Pressurised container: May burst if heated. Causes skin irritation. Causes serious eye 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.

H319: Causes serious eye 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: GHS09: Environmental

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GHS02: Flame

GHS07: Exclamation mark



Signal words: Danger

Precautionary statements: P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P103: Read label before use.
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.
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.
P302+352: IF ON SKIN: Wash with plenty of water/.
P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+351+338: 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/doctor//if you feel unwell.
P332+313: If skin irritation occurs: Get medical.
P410+412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C.
P501: Dispose of to.

2.3. Other hazards

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

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

KOHLENWASSERSTOFFE, 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	40.000%

[cont...]

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PROPAN-2-OL

200-661-7	67-63-0	-	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336	40.000%
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OLEIC ACID

204-007-1	112-80-1	-	Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335	5.000%
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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.

Eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

Ingestion: If symptoms persist consult doctor.

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

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

Skin contact: Causes skin irritation.

Eye contact: Causes serious eye irritation.

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.

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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 discharge into drains or rivers. 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: Safe handling: see section 7 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 into a naked flame or any incandescent material.

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:

PROPAN-2-OL

Workplace exposure limits:

Respirable dust

State	8 hour TWA		15 min. STEL	
	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	999 mg/m ³	1250 mg/m ³	-	-

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KOHLENDIOXID

EU	9100 mg/m ³	-	-	-
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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: Not necessary if room is well-ventilated. When staying in spray mist use a face mask with A2-P2 filter.

Hand protection: Protective gloves. The glove material has to be impermeable and resistant to the product / the substance / the preparation. Nitrile gloves. Recommended thickness of the material: $\geq 0,4$ 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 cannot be calculated in advance and has therefore to be checked prior to the application. Breakthrough time of the glove material > 8 hours.

Eye protection: Safety glasses.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Aerosol

Colour: Red

Odour: Characteristic odour

Solubility in water: Not miscible or difficult to mix.

Boiling point/range°C: 48°C

Melting point/range°C: No data available.

Flammability limits %: lower: 1,0 Vol%

upper: 12,0 Vol%

Flash point°C: - 26°C

Autoflammability°C: >200°C

Vapour pressure: 6500hPa

Relative density: No data available.

pH: Not applicable.

VOC g/l: 86,20 %

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: 0,73 g/cm³.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: No further relevant information available.

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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

Hazardous ingredients:

KOHLLENWASSERSTOFFE, 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

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IVN	RAT	LD50	1088	mg/kg
ORL	MUS	LD50	3600	mg/kg
ORL	RAT	LD50	5045	mg/kg
SCU	MUS	LDLO	6	gm/kg

Relevant hazards for product:

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

Symptoms / routes of exposure

Skin contact: Causes skin irritation.

Eye contact: Causes serious eye irritation.

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.

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Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

KOHLLENWASSERSTOFFE, 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.

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. Toxic to 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
(Naphthalin, Kohlenwasserstoffe, C6, Isoalkane, <5%n-Hexan)

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14.3. Transport hazard class(es)

Transport class: 2 (5F+Gase)

14.4. Packing group

Packing group: Void

14.5. Environmental hazards

Environmentally hazardous: Yes

Marine pollutant: No

14.6. Special precautions for user

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

Tunnel code: D

Transport category: 2

IMDG seg. group: LQ: 1L, EQ: E0

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.
H319: Causes serious eye irritation.

[cont...]

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H335: May cause respiratory 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.

