

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

**1.1. Product identifier**

**Product name:** MULTI

**Product code:** 711.400.000

**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 Cleaning Solutions GmbH

Storkower Str. 113

D-10407 Berlin

Germany

**Tel:** +49 (0)30 / 36 46 40 36

**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 2: H223; Asp. Tox. 1: H304; -: H229; -: EUH066

**Most important adverse effects:** Flammable aerosol. Pressurised container: May burst if heated. May be fatal if swallowed and enters airways. Repeated exposure may cause skin dryness or cracking.

**2.2. Label elements**

**Label elements:**

**Hazard statements:** H223: Flammable aerosol.

H229: Pressurised container: May burst if heated

H304: May be fatal if swallowed and enters airways.

EUH066: Repeated exposure may cause skin dryness or cracking.

**Hazard pictograms:** GHS02: Flame



**Signal words:** Warning

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

## 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:

KOHLLENWASSERSTOFFE, C10-C13, N-ALKANE, ISO-ALKANE, CYCLISCHE VERBINDUNGEN, <2% AROMATEN - REACH registered number(s): 01-2119457273-39-XXXX

EINECS	CAS	PBT / WEL	CLP Classification	Percent
918-481-9	-	-	Asp. Tox. 1: H304	80.000%

BASEOIL - UNSPECIFIED - DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC

265-158-7	64742-55-8	-	-	15.000%
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KOHLLENDIOXID

204-696-9	124-38-9	Substance with a Community workplace exposure limit.	Press. Gas: H280	5.000%
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**Contains:** aliphatic hydrocarbons >=30%

## Section 4: First aid measures

### 4.1. Description of first aid measures

- Skin contact:** Generally the product does not irritate the skin.  
**Eye contact:** Rinse opened eye for several minutes under running water.  
**Ingestion:** If symptoms persist consult doctor.  
**Inhalation:** Supply fresh air; consult doctor in case of complaints.

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

- Skin contact:** Based on available data, the classification criteria are not met.  
**Eye contact:** Based on available data, the classification criteria are not met.  
**Ingestion:** May be fatal if swallowed and enters airways.  
**Inhalation:** Based on available data, the classification criteria are not met.  
**Delayed / immediate effects:** Based on available data, the classification criteria are not met.

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

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

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## 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 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. Safe handling: see section 7

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** No special precautions are necessary if used correctly. 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.

### 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

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## 8.1. Control parameters

**Hazardous ingredients:**

**KOHLENDIOXID**

**Workplace exposure limits:**

**Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
EU	9100 mg/m <sup>3</sup>	-	-	-

## DNEL/PNEC Values

**DNEL / PNEC** No data available.

## 8.2. Exposure controls

**Engineering measures:** Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work.

**Respiratory protection:** Not necessary if room is well-ventilated.

**Hand protection:** 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. 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. Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. For the permanent contact gloves made of the following materials are suitable: Nitrile rubber, NBR. As protection from splashes gloves made of the following materials are suitable: PVC gloves.

**Eye protection:** Eye protection is not required under normal conditions.

## Section 9: Physical and chemical properties

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

**State:** Aerosol

**Colour:** Pale brown

**Odour:** Characteristic odour

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

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

**Flammability limits %: lower:** 0,7 Vol %

**Flash point°C:** 61°C

**Vapour pressure:** at 20°C: 6700 hPa

**pH:** Not applicable.

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

**upper:** 6,0 Vol %

**Autoflammability°C:** 235°C

**Relative density:** Not determined.

**VOC g/l:** 77,95%

[cont...]

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## 9.2. Other information

**Other information:** Product is not selfigniting. Density at 20°C: 0,07g/cm3 Danger of explosion: Not determined.

## 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 known hazardous reactions.

### 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

#### Relevant hazards for product:

Hazard	Route	Basis
Aspiration hazard	-	Hazardous: calculated

#### Excluded hazards for substance:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	-	No hazard: calculated
Acute toxicity (ac. tox. 3)	-	No hazard: calculated
Acute toxicity (ac. tox. 2)	-	No hazard: calculated
Acute toxicity (ac. tox. 1)	-	No hazard: calculated
Skin corrosion/irritation	-	No hazard: calculated
Serious eye damage/irritation	-	No hazard: calculated
Respiratory/skin sensitisation	-	No hazard: calculated
Germ cell mutagenicity	-	No hazard: calculated
Carcinogenicity	-	No hazard: calculated

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Reproductive toxicity	-	No hazard: calculated
STOT-single exposure	-	No hazard: calculated
STOT-repeated exposure	-	No hazard: calculated

## Symptoms / routes of exposure

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

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

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

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

**Delayed / immediate effects:** Based on available data, the classification criteria are not met.

## Section 12: Ecological information

### 12.1. Toxicity

**Ecotoxicity values:** No data available.

### 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:** Water hazard class 1 (German regulation) (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

## 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.

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## Section 14: Transport information

### 14.1. UN number

UN number: UN1950

### 14.2. UN proper shipping name

Shipping name: Aerosols

### 14.3. Transport hazard class(es)

Transport class: 2 (5F+Gase)

### 14.4. Packing group

Packing group: Void

### 14.5. Environmental hazards

Environmentally hazardous: No

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

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 P3b Flammable Aerosols Qualifying quantity (tonnes) for the application of lower-tier requirements 5.000 t. Qualifying quantity (tonnes) for the application of Upper-tier requirements 50.000 t. Regulation (EC) No 1907/2006 ANNEX XVII Conditions of restriction:28

### 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: EUH066: Repeated exposure may cause skin dryness or cracking.

[cont...]

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H223: Flammable aerosol.

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.

**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.



