

Section 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier****Product name:** COOLING SPRAY**Product code:** 762.400.000**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of substance / mixture:** see product name**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 1: H222; -: H229**Most important adverse effects:** Extremely flammable aerosol. Pressurised container: May burst if heated.**2.2. Label elements****Label elements:****Hazard statements:** H222: Extremely flammable aerosol.

H229: Pressurised container: May burst if heated

Hazard pictograms: GHS02: Flame**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.

SAFETY DATA SHEET

COOLING SPRAY

Page: 2

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

Other hazards: Refrigerated liquefied gas. Contact with the product can cause cold burns or frostbite. Even after use and until complete evaporation of the flammable components, there is still a danger of an explosive steam-air mixture forming.

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

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

BUTANE

EINECS	CAS	PBT / WEL	CLP Classification	Percent
203-448-7	106-97-8	Substance with a Community workplace exposure limit.	Flam. Gas 1: H220; Press. Gas: H280	65-<70%

PROPANE

200-827-9	74-98-6	Substance with a Community workplace exposure limit.	Flam. Gas 1: H220; Press. Gas: H280	30-<35%
-----------	---------	--	-------------------------------------	---------

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: In case of skin reactions, consult a physician. Take off contaminated clothing and wash it before reuse.

Eye contact: Rinse immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult an ophthalmologist.

Ingestion: Exposure route not applicable.

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

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: Treat symptomatically. Refrigerated liquefied gas. Contact with the product can cause cold burns or frostbite.

[cont...]

SAFETY DATA SHEET

COOLING SPRAY

Page: 3

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Carbon dioxide. Extinguishing powder. Foam Unsuitable extinguishing media
Water.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Flammable. Vapours can form explosive mixtures with air.

5.3. Advice for fire-fighters

Advice for fire-fighters: In case of fire: Wear self-contained breathing apparatus. Additional information:
Use water spray/stream to protect personnel and to cool endangered containers.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Eliminate all sources of ignition.

6.2. Environmental precautions

Environmental precautions: Do not allow uncontrolled discharge of product into the environment. Danger of
explosion.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Treat the assimilated material according to the section on
waste disposal.

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: Advice on safe handling

Do not pierce or burn, even after use. Advice on protection against fire and explosion
Do not spray on naked flames or any incandescent material. Protect from sunlight. Do
not expose to temperatures exceeding 50°C/122°F. Keep away from sources of ignition.
No smoking. Take precautionary measures against static discharges. Vapours can form
explosive mixtures with air. Further information on handling
Heating causes rise in pressure with risk of bursting.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed. Keep away from heat,
hot surfaces, sparks, open flames and other ignition sources. No smoking. Advice on
storage compatibility
Do not store together with: Oxidising agent. Pyrophonic or self-heating substances.

[cont...]

SAFETY DATA SHEET

COOLING SPRAY

Page: 4

7.3. Specific end use(s)

Specific end use(s): Aerosol

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

BUTANE

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1450 mg/m ³	1810 mg/m ³	-	-

PROPANE

UK	1800 mg/m ³	7200 mg/m ³	-	-
----	------------------------	------------------------	---	---

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Take off contaminated clothing. Wash hands before breaks and after works. When using do not eat or drink

Respiratory protection: Respiratory protection not required.

Hand protection: Protective gloves. Heat resistant gloves. When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.

Eye protection: Safety glasses. Safety glasses with side-shields.

Skin protection: Wear anti-static footwear and clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Colourless

Odour: Hydrocarbons, aliphatic

Solubility in water: Insoluble

Boiling point/range°C: < -20°C

Melting point/range°C: not applicable

Flammability limits %: lower: 1,4 Vol.-%

upper: 9,4 Vol.-%

Flash point°C: < -20°C

Autoflammability°C: 287°C

pH: not applicable

9.2. Other information

Other information: In use, may form flammable/explosive vapour-air mixture. Density at 20°C: 0,56 g/cm³

[cont...]

SAFETY DATA SHEET

COOLING SPRAY

Page: 5

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Flammable, Ignition hazard.

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: Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Vapours can form explosive mixtures with air.

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

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
Reproductive toxicity	-	No hazard: calculated
STOT-single exposure	-	No hazard: calculated
STOT-repeated exposure	-	No hazard: calculated
Aspiration hazard	-	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: Based on available data, the classification criteria are not met.

[cont...]

SAFETY DATA SHEET

COOLING SPRAY

Page: 6

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

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

Other information: The mixture is classified as hazardous according to regulation (EC) No 1272/2008 (CLP).

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: No data available.

12.2. Persistence and degradability

Persistence and degradability: The product has not been tested.

12.3. Bioaccumulative potential

Bioaccumulative potential: The product has not been tested. Butane: Log Pow 2,89

12.4. Mobility in soil

Mobility: The product has not been tested.

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: No information available. Further information:
Avoid release to the environment.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Advice on disposal

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

Waste code number: 16 05 04

Disposal of packaging: Completely emptied packages can be recycled.

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

14.3. Transport hazard class(es)

Transport class: 2 (5F)

[cont...]

SAFETY DATA SHEET

COOLING SPRAY

Page: 7

14.4. Packing group

Packing group: -

14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

14.6. Special precautions for user

Special precautions: Warning: Flammable gases EMS Number: F-D,S-U

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: EU regulatory information:

2010/75/EU (VOC): 100% (560 g/l)

2004/42/EC (VOC): 100% (560g/l) Additional information:

to follow: 850/2004/EC, 79/117/EEC, 689/2008/EC, 2008/47/EC National regulatory information

Employment restrictions:

Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

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: H220: Extremely flammable gas.

H222: Extremely flammable aerosol.

H229: Pressurised container: May burst if heated

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.

