

Screen

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 - Product identifier

Trade name/designation Screen

Chemical name

Product-type Mixture

Product code 760.400

UFI: DM00-Q0M3-Q00V-FRAP

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

1.3 - Details of the supplier of the safety data sheet

ECS Cleaning Solutions GmbH

Wolfener Str. 32-34

D-12681 Berlin Germany

Telephone : +49 (0)30 / 36 46 40 36

gunnar.kleinmann@ecsag.com

1.4 - Emergency telephone number

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 according to Regulation (EC) No 1272/2008 [CLP]

| | |
|----------------|----------------------|
| Not Classified | Not classified |
| Aerosol 1 | Aerosol - Category 1 |

2.2 - Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word : Danger

Hazard pictograms



Hazard statements

| | |
|------|--|
| H222 | Extremely flammable aerosol |
| H229 | Pressurised container: May burst if heated |

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. |

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| P251 | Do not pierce or burn, even after use. |
| P410+P412 | Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. |
| EUH-phrases | : None |

Regulation (EC) No. 648/2004 (Detergents regulation)

2.3 - Other hazards

SECTION 3: Composition / information on ingredients

3.1 - Substances

Not applicable

3.2 - Mixtures

| Chemical name | No | % | Class(es) | Specific concentration limit |
|---------------|--|----|----------------------------------|------------------------------|
| butane | CAS No. : 106-97-8 Index No. : 601-004-00-0 EC No. : 203-448-7 | 10 | Flam. Gas 1 - H220 Press. Gas | Not applicable |
| propane | CAS No. : 74-98-6 Index No. : 601-003-00-5 EC No. : 200-827-9 | 5 | Flam. Gas 1 - H220 Press. Gas | Not applicable |

SECTION 4: First aid measures

4.1 - Description of first aid measures

Following inhalation - No special measures are necessary.
- Provide fresh air.

Following skin contact - Wash immediately with: Water
- When in doubt or if symptoms are observed, get medical advice.

After eye contact - Rinse immediately carefully and thoroughly with eye-bath or water.
- In case of eye irritation consult an ophthalmologist.

After ingestion - Rinse mouth thoroughly with water.
- Do NOT induce vomiting.

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

Symptoms and effects - Following inhalation - No information available.

Symptoms and effects - Following skin contact - No information available.

Symptoms and effects - After eye contact - No information available.

Symptoms and effects - After ingestion - No information available.

4.3 - Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

5.1 - Extinguishing media

Suitable extinguishing media - ABC-powder

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- Carbon dioxide (CO2)
- Foam
- Extinguishing powder

Unsuitable extinguishing media - Full water jet

5.2 - Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture - No information available.

5.3 - Advice for firefighters

- Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

For non-emergency personnel - Use personal protection equipment.
- Provide adequate ventilation.

For emergency responders - No information available.

6.2 - Environmental precautions

- No information available.

6.3 - Methods and material for containment and cleaning up

Methods and material for containment - No information available.

Methods and material for cleaning up - Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).
- Wash with plenty of water.

Inappropriate techniques - No information available.

6.4 - Reference to other sections

- Disposal: see section 13
- Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1 - Precautions for safe handling

Recommendation - No special technical protective measures are necessary.

Advices on general occupational hygiene - No information available.

7.2 - Conditions for safe storage, including any incompatibilities

- No information available.

7.3 - Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

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butane (106-97-8)

| | |
|----------------------|------------|
| IOELV TWA mg/m3 (UE) | 1450 mg/m3 |
| IOELV TWA ppm (UE) | 600 ppm |

8.2 - Exposure controls

Appropriate engineering controls

- No information available.

Individual protection measures, such as personal protective equipment

- Suitable protective clothing: lab coat

SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

| <u>Physical state</u> | Liquid | <u>Appearance</u> | Aerosol |
|--------------------------------------|--------|-------------------|-------------------|
| <u>Colour</u> | opaque | <u>Odour</u> | fruity |
| <u>Odour threshold</u> | | | No data available |
| <u>pH</u> | | | 8 < V < 9 |
| <u>Melting point</u> | | | No data available |
| <u>Freezing point</u> | | | No data available |
| <u>Boiling point</u> | | | -20 °C |
| <u>Flash point</u> | | | -20 °C |
| <u>Evaporation rate</u> | | | No data available |
| <u>flammability</u> | | | No data available |
| <u>Lower explosion limit</u> | | | 1.3 % Vol. |
| <u>Upper explosion limit</u> | | | 10.8 % Vol. |
| <u>Vapour pressure</u> | | | No data available |
| <u>Vapour density</u> | | | No data available |
| <u>Relative density</u> | | | No data available |
| <u>Density</u> | | | No data available |
| <u>Solubility (Water)</u> | | | No data available |
| <u>Solubility (Ethanol)</u> | | | No data available |
| <u>Solubility (Acetone)</u> | | | No data available |
| <u>Solubility (Organic solvents)</u> | | | No data available |
| <u>Log KOC</u> | | | No data available |
| <u>Auto-ignition temperature</u> | | | No data available |
| <u>Decomposition temperature</u> | | | No data available |
| <u>Kinematic viscosity</u> | | | No data available |
| <u>Dynamic viscosity</u> | | | No data available |

Particle characteristics

| | |
|---------------|-------------------|
| Particle size | No data available |
|---------------|-------------------|

9.2 - Other information

| | |
|-------------------------|-------------------|
| VOC content | 95.42 g/l |
| Minimum ignition energy | No data available |

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| | |
|--------------|-------------------|
| Conductivity | No data available |
|--------------|-------------------|

SECTION 10: Stability and reactivity

10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

10.4 - Conditions to avoid

- No information available.

10.5 - Incompatible materials

- No information available.

10.6 - Hazardous decomposition products

- Does not decompose when used for intended uses.

SECTION 11: Toxicological information

11.1 - Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - Not classified

Toxicity : Mixture

| | |
|---------------------------------------|-------------------|
| LD50 oral (rat) | No data available |
| LD50 dermal (rat) | No data available |
| LD50 dermal (rabbit) | No data available |
| LC50 inhalation (rat) | No data available |
| LC50 inhalation dusts and mists (rat) | No data available |
| LC50 inhalation vapours (rat) | No data available |

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

Toxicity : Substances

| | |
|-------------------------------|----------|
| butane (106-97-8) | |
| LC50 inhalation vapours (rat) | 658 mg/l |
| propane (74-98-6) | |
| LC50 inhalation vapours (rat) | 20 mg/l |

Skin corrosion/irritation - Not classified

Serious eye damage/eye irritation - Not classified

Respiratory or skin sensitisation - Not classified

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| | |
|-------------------------------|------------------|
| <u>Germ cell mutagenicity</u> | - Not classified |
| <u>Carcinogenicity</u> | - Not classified |
| <u>Reproductive toxicity</u> | - Not classified |
| <u>STOT-single exposure</u> | - Not classified |
| <u>STOT-repeated exposure</u> | - Not classified |
| <u>Aspiration hazard</u> | - Not classified |

11.2 - Information on other hazards

SECTION 12: Ecological information

12.1 - Toxicity

Toxicity : Mixture

| | |
|-----------------------------------|-------------------|
| EC50 48 hr crustacea | No data available |
| LC50 96 hr fish | No data available |
| ErC50 algae | No data available |
| ErC50 other aquatic plants | No data available |
| NOEC chronic fish | No data available |
| NOEC chronic crustacea | No data available |
| NOEC chronic algae | No data available |
| NOEC chronic other aquatic plants | No data available |

- The substance/mixture does not fulfill the criteria of the acute aquatic toxicity according to Regulation (EC) No 1272/2008 [CLP], Annex I.

12.2 - Persistence and degradability

| | |
|---------------------------------|-------------------|
| Biochemical oxygen demand (BOD) | No data available |
| Chemical oxygen demand (COD) | No data available |
| % of biodegradation in 28 days | No data available |

- No information available.

12.3 - Bioaccumulative potential

| | |
|-------------------------------|-------------------|
| Bioconcentration factor (BCF) | No data available |
| Log KOC | No data available |

- No indication of bioaccumulation potential.

12.4 - Mobility in soil

- No information available.

12.5 - Results of PBT and vPvB assessment

12.6 - Endocrine disrupting properties

12.7 - Other adverse effects

- No information available.

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SECTION 13: Disposal considerations

13.1 - Waste treatment methods

| | |
|---|---|
| <u>Waste treatment methods</u> | - Dispose of waste according to applicable legislation. |
| <u>Sewage disposal</u> | - No information available. |
| <u>Special precautions for waste treatment</u> | - No information available. |
| <u>Community or national or regional provisions</u> | - No information available. |

SECTION 14: Transport information

14.1 - UN number or ID number

| | | |
|-------------------------|---|--------|
| <u>UN number (ADR)</u> | : | UN1950 |
| <u>UN number (RID)</u> | : | UN1950 |
| <u>UN number (ADN)</u> | : | UN1950 |
| <u>UN number (IMDG)</u> | : | UN1950 |
| <u>UN number (IATA)</u> | : | UN1950 |

14.2 - UN proper shipping name

| | | |
|---------------------------------------|---|---------------------|
| <u>UN proper shipping name (ADR)</u> | : | AEROSOLS |
| <u>UN proper shipping name (RID)</u> | : | AEROSOLS |
| <u>UN proper shipping name (ADN)</u> | : | AEROSOLS |
| <u>UN proper shipping name (IMDG)</u> | : | AEROSOLS |
| <u>UN proper shipping name (IATA)</u> | : | AEROSOLS, FLAMMABLE |

14.3 - Transport hazard class(es)

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ADR Transport hazard class(es) : 2

ADR Classification code: : 5F

Pictograms



Transport hazard class(es) (RID) : 2

Pictograms



Transport hazard class(es) (ADN) : 2

Pictograms



Transport hazard class(es) (IMDG) : 2

Pictograms



Transport hazard class(es) (IATA) : 2

Pictograms



14.4 - Packing group

Packing group :

Packing group (RID) :

Packing group (ADN) :

Packing group (IMDG) :

Packing group (IATA) :

14.5 - Environmental hazards

Environmental hazards : No

Marine pollutant : No

14.6 - Special precautions for user

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ADR

| | | |
|--|---|-----------------|
| <u>ADR Classification code:</u> | : | 5F |
| <u>ADR Special provisions</u> | : | 190+327+344+625 |
| <u>ADR Limited quantity (LQ)</u> | : | 1L |
| <u>ADR Excepted quantities</u> | : | E0 |
| <u>ADR Packing instructions</u> | : | P207 LP200 |
| <u>ADR Special packing provisions</u> | : | PP87 RR6 L2 |
| <u>ADR Mixed packing provisions</u> | : | MP9 |
| <u>Instructions for portable tanks and bulk containers</u> | : | |
| <u>Special provisions for portable tanks and bulk containers</u> | : | |
| <u>ADR tank code</u> | : | |
| <u>ADR tanks special provisions</u> | : | |
| <u>Vehicle for tank carriage</u> | : | |
| <u>ADR Transport category</u> | : | 2 |
| <u>ADR Tunnel restriction code</u> | : | D |
| <u>ADR Special provisions loading, unloading and handling</u> | : | CV9 CV12 |
| <u>Special provisions - Packages</u> | : | V14 |
| <u>Special provisions - Bulk</u> | : | |
| <u>Special provisions - Operation</u> | : | S2 |
| <u>ADR Hazard identification number (Kemler No.)</u> | : | |

RID

| | | |
|------------------------------|---|--|
| <u>Special provisions</u> | : | |
| <u>Limited quantity (LQ)</u> | : | |
| <u>Excepted quantities</u> | : | |

ADN

| | | |
|------------------------------|---|--|
| <u>Special provisions</u> | : | |
| <u>Limited quantity (LQ)</u> | : | |
| <u>Excepted quantities</u> | : | |

IMDG

| | | |
|--|---|----------------------------|
| <u>Special provisions</u> | : | 63 190 277 327 344 381 959 |
| <u>Limited quantity (LQ)</u> | : | |
| <u>Excepted quantities</u> | : | E0 |
| <u>Packing instructions</u> | : | P207 LP200 |
| <u>Special packing provisions</u> | : | PP87 L2 |
| <u>IBC instruction(s)</u> | : | |
| <u>IBC provisions</u> | : | |
| <u>Instructions for portable tanks and bulk containers</u> | : | |
| <u>Special provisions for portable tanks and bulk containers</u> | : | |
| <u>EmS codes</u> | : | F-D, S-U |
| <u>Stowage and handling</u> | : | Category None SW1 SW22 |
| <u>Segregation</u> | : | SG69 |
| <u>Properties and observations</u> | : | |

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IATA

| | | |
|--|---|----------------|
| <u>PCA - Excepted quantities</u> | : | E0 |
| <u>PCA - Limited Quantity - Packing Instructions</u> | : | Y203 |
| <u>PCA - Limited Quantity - Maximum Net Quantity per Package</u> | : | 30kg |
| <u>PCA - Packing Instructions</u> | : | 203 |
| <u>PCA - Maximum Net Quantity per Package</u> | : | 75kg |
| <u>CAO - Packing Instructions</u> | : | 203 |
| <u>CAO - Maximum Net Quantity per Package</u> | : | 150kg |
| <u>Special Provisions</u> | : | A145 A167 A802 |
| <u>ERG Code</u> | : | 10L |

14.7 - Maritime transport in bulk according to IMO instruments

SECTION 15: Regulatory information

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

Substances REACH candidates None

Substances Annex XIV None

Substances Annex XVII None

VOC content 95.42 g/l

Regulation (EC) No. 648/2004 (Detergents regulation)

15.2 - Chemical Safety Assessment

Chemical safety assessment carried out for the product - No information available.

SECTION 16: Other information

SDS versions

| Version | Issue date | Author | Description of the amendments |
|---------|------------|--------|-------------------------------|
| 1 | 11/17/2022 | | |

Texts of the regulatory sentences

| | |
|----------------|--|
| Aerosol 1 | Aerosol - Category 1 |
| Flam. Gas 1 | Flammable gas. - Category 1 |
| H220 | Extremely flammable gas |
| H222 | Extremely flammable aerosol |
| H229 | Pressurised container: May burst if heated |
| Not Classified | Not classified |
| Press. Gas | Gases under pressure |

*** *** ***