

Cleaning Card 463

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

1.1 - Product identifier

Trade name/designation Surface Cleaner
Chemical name
Product-type Mixture
Product code 463

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

Relevant identified uses

- Washing and cleaning products
- For professional use only

1.3 - Details of the supplier of the safety data sheet

ECS AG, Herr G. Kleinmann
Roosstrasse 53
CH-8832 Wollerau - Switzerland
Telephone : +41 44 787 53 53
info@ecsag.ch - www.ecsag.ch

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 |
|----------------|----------------|

2.2 - Label elements

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

Signal word : None
Pictograms : None
Hazard statements : None
Precautionary statements

| | |
|-------------|--|
| P102 | Keep out of reach of children. |
| P301+P310 | IF SWALLOWED: Immediately call a POISON CENTER/a doctor. |
| EUH-phrases | : None |

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

2.3 - Other hazards

SECTION 3: Composition / information on ingredients

3.1 - Substances

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Not applicable

3.2 - Mixtures

| Chemical name | No | % | Class(es) | Specific concentration limit |
|--|--|-------------|--|------------------------------|
| ethanol, ethyl alcohol | CAS No. : 64-17-5 Index No. : 603-002-00-5 EC No. : 200-578-6 | > 0.1 - < 1 | Flam. Liq. 2 - H225 Eye Irrit. 2, H319 | Not applicable |
| 2-butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve | CAS No. : 111-76-2 Index No. : 603-014-00-0 EC No. : 203-905-0 | > 0.1 - < 1 | Acute Tox. 4 (Dermal), H312 Acute Tox. 4 Inhalation - H332 Acute Tox. 4 Oral - H302 Eye Irrit. 2 - H319 Skin Irrit. 2 - H315 | ATE oral 1200 |
| 2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether | CAS No. : 112-34-5 Index No. : 603-096-00-8 EC No. : 203-961-6 | > 0.1 - < 1 | Eye Irrit. 2 - H319 | Not applicable |

SECTION 4: First aid measures

4.1 - Description of first aid measures

| | |
|-------------------------------|--|
| <u>Following inhalation</u> | <ul style="list-style-type: none">- No special measures are necessary.- Provide fresh air. |
| <u>Following skin contact</u> | <ul style="list-style-type: none">- Wash immediately with: Water- When in doubt or if symptoms are observed, get medical advice. |
| <u>After eye contact</u> | <ul style="list-style-type: none">- Rinse immediately carefully and thoroughly with eye-bath or water.- In case of eye irritation consult an ophthalmologist. |
| <u>After ingestion</u> | <ul style="list-style-type: none">- Rinse mouth thoroughly with water.- Do NOT induce vomiting. |

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

| | |
|--|-----------------------------|
| <u>Symptoms and effects - Following inhalation</u> | - No information available. |
| <u>Symptoms and effects - Following skin contact</u> | - No information available. |
| <u>Symptoms and effects - After eye contact</u> | - No information available. |
| <u>Symptoms and effects - After ingestion</u> | - No information available. |

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

SECTION 5: Firefighting measures

5.1 - Extinguishing media

| | |
|---------------------------------------|---|
| <u>Suitable extinguishing media</u> | <ul style="list-style-type: none">- ABC-powder- Carbon dioxide (CO2)- Foam- Extinguishing powder |
| <u>Unsuitable extinguishing media</u> | <ul style="list-style-type: none">- Full water jet |

5.2 - Special hazards arising from the substance or mixture

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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.
- Avoid dust formation.

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

- Take up mechanically.
- 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

| 2-butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve (111-76-2) | |
|---|----------------|
| IOELV TWA mg/m3 (UE) | 98 mg/m3 Skin |
| IOELV TWA ppm (UE) | 20 ppm Skin |
| IOELV STEL mg/m3 (UE) | 246 mg/m3 Skin |
| IOELV STEL ppm (UE) | 50 ppm Skin |

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DNEL / PNEC

| ethanol, ethyl alcohol (64-17-5) | | | |
|------------------------------------|------------------|-----------|----------|
| Type | Value | User | Effect |
| DNEL long-term oral (repeated) | 87 mg/kg bw/day | Consumers | Systemic |
| DNEL acute inhalative | 1900 mg/m3 | Workers | Local |
| DNEL acute inhalative | 950 mg/m3 | Consumers | Local |
| DNEL long-term inhalative | 950 mg/m3 | Workers | Systemic |
| DNEL long-term inhalative | 114 mg/m3 | Consumers | Systemic |
| DNEL long-term dermal | 343 mg/kg bw/day | Workers | Systemic |
| DNEL long-term dermal | 206 mg/kg bw/day | Consumers | Systemic |
| PNEC aquatic, freshwater | 960 mg/l | | |
| PNEC aquatic, marine water | 790 mg/l | | |
| PNEC aquatic, intermittent release | 2.75 mg/l | | |
| PNEC sediment, freshwater | 3.6 mg/kg | | |
| PNEC sediment, marine water | 2.9 mg/kg | | |
| PNEC Secondary Poisoning | 380 mg/kg | | |
| PNEC sewage treatment plant (STP) | 580 mg/l | | |

| 2-butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve (111-76-2) | | | |
|---|------------------|-----------|----------|
| Type | Value | User | Effect |
| DNEL short-term oral (acute) | 26.7 mg/kg | Consumers | Systemic |
| DNEL long-term oral (repeated) | 6.3 mg/kg bw/day | Consumers | Systemic |
| DNEL acute inhalative | 1091 mg/m3 | Workers | Systemic |
| DNEL acute inhalative | 246 mg/m3 | Workers | Local |
| DNEL acute inhalative | 426 mg/m3 | Consumers | Systemic |
| DNEL acute inhalative | 147 mg/m3 | Consumers | Local |
| DNEL long-term inhalative | 98 mg/m3 | Workers | Systemic |
| DNEL long-term inhalative | 59 mg/m3 | Consumers | Systemic |
| PNEC aquatic, freshwater | 8.8 mg/l | | |
| PNEC aquatic, marine water | 0.88 mg/l | | |
| PNEC aquatic, intermittent release | 26.4 mg/l | | |
| PNEC sediment, freshwater | 34.6 mg/kg | | |
| PNEC sediment, marine water | 3.46 mg/kg | | |
| PNEC Secondary Poisoning | 0.02 mg/kg | | |
| PNEC sewage treatment plant (STP) | 463 mg/l | | |

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> | Solid | <u>Appearance</u> | Solid |
| <u>Colour</u> | colourless | <u>Odour</u> | characteristic |
| Odour threshold | No data available | | |
| pH | No data available | | |

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| | |
|-------------------------------|-------------------|
| Melting point | No data available |
| Freezing point | No data available |
| Boiling point | No data available |
| Flash point | > 61 °C |
| Evaporation rate | No data available |
| flammability | No data available |
| Lower explosion limit | No data available |
| Upper explosion limit | No data available |
| Vapour pressure | No data available |
| Vapour density | No data available |
| Relative density | No data available |
| Density | No data available |
| Solubility (Water) | No data available |
| Solubility (Ethanol) | No data available |
| Solubility (Acetone) | No data available |
| Solubility (Organic solvents) | No data available |
| Log KOC | -0.3 |
| Auto-ignition temperature | No data available |
| Decomposition temperature | No data available |
| Kinematic viscosity | No data available |
| Dynamic viscosity | No data available |

Particle characteristics

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

9.2 - Other information

| | |
|-------------------------|-------------------|
| VOC content | No data available |
| Minimum ignition energy | No data available |
| 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

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- 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.

Skin corrosion/irritation - Not classified

Serious eye damage/eye irritation - Not classified

Respiratory or skin sensitisation - Not classified

Germ cell mutagenicity - Not classified

Carcinogenicity - Not classified

Reproductive toxicity - Not classified

STOT-single exposure - Not classified

STOT-repeated exposure - Not classified

Aspiration hazard - 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

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| | |
|---------------------------------|-------------------|
| 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 | -0.3 |

- 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.

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

Waste treatment methods - Dispose of waste according to applicable legislation.

Sewage disposal - No information available.

Special precautions for waste treatment - No information available.

Community or national or regional provisions - No information available.

SECTION 14: Transport information

14.1 - UN number or ID number

Not applicable

14.2 - UN proper shipping name

Not applicable

14.3 - Transport hazard class(es)

Not applicable

14.4 - Packing group

Not applicable

14.5 - Environmental hazards

Not applicable

14.6 - Special precautions for user

Not applicable

14.7 - Maritime transport in bulk according to IMO instruments

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Not applicable

SECTION 15: Regulatory information

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

| | |
|------------------------------------|--|
| <u>Substances REACH candidates</u> | None |
| <u>Substances Annex XIV</u> | None |
| <u>Substances Annex XVII</u> | 2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether (Index No.: 603-096-00-8 - EC No.: 203-961-6 - CAS No.: 112-34-5) |
| <u>VOC content</u> | No data available |

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 | 11/30/2022 | | |

Texts of the regulatory sentences

| | |
|-------------------------|--|
| Acute Tox. 4 Dermal | Acute toxicity (dermal) - Category 4 |
| Acute Tox. 4 Inhalation | Acute toxicity (inhalative) - Category 4 |
| Acute Tox. 4 Oral | Acute toxicity (oral) - Category 4 |
| Eye Irrit. 2 | Eye irritation - Category 2 |
| Eye Irrit. 2A | Eye irritation - Category 2A |
| H302 | Harmful if swallowed |
| H312 | Harmful in contact with skin |
| H315 | Causes skin irritation |
| H319 | Causes serious eye irritation |
| H332 | Harmful if inhaled |
| Not Classified | Not classified |
| Skin Irrit. 2 | Irritation, Category 2 |

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