

ECS Electro-Degreaser

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

1.1 - Product identifier

Trade name/designation ECS Electro-Degreaser

Chemical name

Product-type Mixture

Product code 706.400.000

UFI: NJ10-906G-300A-RGRD

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

Relevant identified uses - Preparatory and cleaning products

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]

| | |
|-------------------|--|
| Eye Irrit. 2 | Eye irritation - Category 2 |
| STOT SE 3 (H336) | STOT-single exposure - Category 3 (H336) |
| Aquatic Chronic 3 | Hazardous to the aquatic environment - Aquatic Chronic 3 |
| Aerosol 1 | Aerosol - Category 1 |
| Asp. Tox. 1 | Aspiration hazard - Category 1 |

2.2 - Label elements

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

Contains: propan-2-ol, isopropyl alcohol, isopropanol (CAS No.: 67-63-0) | 1-methoxy-2-propanol, monopropylene glycol methyl ether (CAS No.: 107-98-2) | Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics (CAS No.:) | Hydrocarbons, C9, aromatics (CAS No.: 128601-23-0)

Signal word : Danger

Hazard pictograms



Hazard statements

| | |
|------|-----------------------------|
| H222 | Extremely flammable aerosol |
|------|-----------------------------|

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| | |
|------|---|
| H229 | Pressurised container: May burst if heated |
| H319 | Causes serious eye irritation |
| H336 | May cause drowsiness or dizziness |
| H412 | Harmful to aquatic life with long lasting effects |

Precautionary statements

| | |
|-----------|--|
| P101 | If medical advice is needed, have product container or label at hand. |
| 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+P412 | Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. |

EUH-phrases

| | |
|--------|--|
| EUH066 | Repeated exposure may cause skin dryness or cracking |
|--------|--|

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

- 5% or more but less than 15%: aromatic hydrocarbons

2.3 - Other hazards

PBT-substance. - This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

vPvB-substance. - This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

SECTION 3: Composition / information on ingredients

3.1 - Substances

Not applicable

3.2 - Mixtures

| Chemical name | No | % | Class(es) | Specific concentration limit |
|---|--|-------------|---|------------------------------|
| 1-methoxy-2-propanol, monopropylene glycol methyl ether | CAS No. : 107-98-2 Index No. : 603-064-00-3 EC No. : 203-539-1 | > 30 - < 35 | Flam. Liq. 3 - H226 STOT SE 3 (H336) - H336 | Not applicable |
| propan-2-ol, isopropyl alcohol, isopropanol | CAS No. : 67-63-0 Index No. : 603-117-00-0 EC No. : 200-661-7 | > 30 - < 35 | Eye Irrit. 2 - H319 Flam. Liq. 2 - H225 STOT SE 3 (H336) - H336 | Not applicable |
| Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics | CAS No. : Index No. : EC No. : 927-241-2 | > 15 - < 20 | Aquatic Chronic 3 - H412 Asp. Tox. 1 - H304 Flam. Liq. 3 - H226 STOT SE 3 (H336) - H336 | Not applicable |
| Hydrocarbons, C9, aromatics | CAS No. : 128601-23-0 Index No. : EC No. : 918-668-5 | > 5 - < 10 | Aquatic Chronic 2 - H411 Asp. Tox. 1 - H304 Flam. Liq. 3 - H226 STOT SE 3 (H335) - H335 STOT SE 3 (H336) - H336 | Not applicable |
| carbon dioxide | CAS No. : 124-38-9 Index No. : EC No. : 204-696-9 | > 2.5 - < 5 | Press. Gas (Comp.) - H280 | Not applicable |

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SECTION 4: First aid measures

4.1 - Description of first aid measures

Following inhalation

- Provide fresh air.
- If breathing is irregular or stopped, administer artificial respiration.
- Call a physician in any case!

Following skin contact

- Wash immediately with: Water
- When in doubt or if symptoms are observed, get medical advice.
- Remove contaminated, saturated clothing immediately.

After eye contact

- In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion

- Observe risk of aspiration if vomiting occurs.
- If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

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

- Causes eye irritation.

Symptoms and effects - After ingestion

- No information available.

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

- Symptoms may develop several hours following exposure; medical observation therefore necessary for at least 48 hours.
- Treat symptomatically.

SECTION 5: Firefighting measures

5.1 - Extinguishing media

Suitable extinguishing media

- Carbon dioxide (CO₂)
- Foam
- Extinguishing powder
- Water spray

Unsuitable extinguishing media

- Full water jet

5.2 - Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture

- Vapours can form explosive mixtures with air.

5.3 - Advice for firefighters

- Wear a self-contained breathing apparatus and chemical protective clothing.
- Use water spray jet to protect personnel and to cool endangered containers.

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- Suppress gases/vapours/mists with water spray jet.
- Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

- | | |
|------------------------------------|---|
| <u>For non-emergency personnel</u> | <ul style="list-style-type: none">- Use personal protection equipment.- Provide adequate ventilation.- Remove all sources of ignition.- Avoid breathing dust/fume/gas/mist/vapours/spray.- Avoid contact with skin, eyes and clothes. |
|------------------------------------|---|

- | | |
|---------------------------------|---|
| <u>For emergency responders</u> | <ul style="list-style-type: none">- No information available. |
|---------------------------------|---|

6.2 - Environmental precautions

- Do not allow uncontrolled discharge of product into the environment.
- Explosion risk.

6.3 - Methods and material for containment and cleaning up

- | | |
|---|---|
| <u>Methods and material for containment</u> | <ul style="list-style-type: none">- No information available. |
|---|---|

- | | |
|---|---|
| <u>Methods and material for cleaning up</u> | <ul style="list-style-type: none">- Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).- Treat the recovered material as prescribed in the section on waste disposal. |
|---|---|

- | | |
|---------------------------------|---|
| <u>Inappropriate techniques</u> | <ul style="list-style-type: none">- No information available. |
|---------------------------------|---|

6.4 - Reference to other sections

- Disposal: see section 13
- Personal protection equipment: see section 8
- Safe handling: see section 7

SECTION 7: Handling and storage

7.1 - Precautions for safe handling

- | | |
|--|---|
| <u>Recommendation</u> | <ul style="list-style-type: none">- Do not pierce or burn, even after use.- If handled uncovered, arrangements with local exhaust ventilation have to be used.- Do not breathe gas/fumes/vapour/spray.- Do not spray on naked flames or any incandescent material.- Keep away from sources of ignition - No smoking.- Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.- Take precautionary measures against static discharges.- Vapours can form explosive mixtures with air.- Heating causes rise in pressure with risk of bursting. |
| <u>Advices on general occupational hygiene</u> | <ul style="list-style-type: none">- Draw up and observe skin protection programme.- Remove contaminated, saturated clothing immediately. |

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- Wash hands and face before breaks and after work and take a shower if necessary.
- When using do not eat, drink, smoke, sniff.

7.2 - Conditions for safe storage, including any incompatibilities

- Keep container tightly closed in a cool, well-ventilated place.
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Store in a place accessible by authorized persons only.
- Provide adequate ventilation as well as local exhaust at critical locations.
- Do not store together with: Oxidising agent
- Pyrophoric or self-heating substances
- Do not store together with: Food and feedingstuffs

7.3 - Specific end use(s)

- Preparatory and cleaning products

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

| propan-2-ol, isopropyl alcohol, isopropanol (67-63-0) | |
|---|-------------------------|
| TWA EH40 ppm (UK) | 400 ppm |
| TWA EH40 mg/m ³ (UK) | 999 mg/m ³ |
| STEL EH40 ppm (UK) | 500 ppm |
| STEL EH40 mg/m ³ (UK) | 1250 mg/m ³ |
| 1-methoxy-2-propanol, monopropylene glycol methyl ether (107-98-2) | |
| IOELV TWA mg/m ³ (UE) | 375 mg/m ³ |
| IOELV TWA ppm (UE) | 100 ppm |
| IOELV STEL mg/m ³ (UE) | 560 mg/m ³ |
| IOELV STEL ppm (UE) | 150 ppm |
| carbon dioxide (124-38-9) | |
| IOELV TWA mg/m ³ (UE) | 9150 mg/m ³ |
| IOELV TWA ppm (UE) | 5000 ppm |
| IOELV STEL mg/m ³ (UE) | 27400 mg/m ³ |
| IOELV STEL ppm (UE) | 15000 ppm |

DNEL / PNEC

| propan-2-ol, isopropyl alcohol, isopropanol (67-63-0) | | | |
|--|-----------------------|-----------|----------|
| Type | Value | User | Effect |
| DNEL long-term oral (repeated) | 26 mg/kg bw/day | Consumers | Systemic |
| DNEL long-term inhalative | 500 mg/m ³ | Workers | Systemic |
| DNEL long-term inhalative | 89 mg/m ³ | Consumers | Systemic |
| DNEL long-term dermal | 319 mg/kg bw/day | Consumers | Systemic |
| DNEL long-term dermal | 888 mg/kg bw/day | Workers | Systemic |
| PNEC aquatic, freshwater | 140.9 mg/l | | |
| PNEC aquatic, marine water | 140.9 mg/l | | |
| PNEC aquatic, intermittent release | 140.9 mg/l | | |
| PNEC sediment, freshwater | 552 mg/kg | | |
| PNEC sediment, marine water | 552 mg/kg | | |
| PNEC Secondary Poisoning | 160 mg/kg | | |
| PNEC sewage treatment plant (STP) | 2251 mg/l | | |

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| 1-methoxy-2-propanol, monopropylene glycol methyl ether (107-98-2) | | | |
|---|-------------------------|-----------|----------|
| Type | Value | User | Effect |
| DNEL long-term oral (repeated) | 33 mg/kg bw/day | Consumers | Systemic |
| DNEL acute inhalative | 553.5 mg/m ³ | Workers | Systemic |
| DNEL acute inhalative | 553.5 mg/m ³ | Workers | Local |
| DNEL long-term inhalative | 43.9 mg/m ³ | Consumers | Systemic |
| DNEL long-term inhalative | 369 mg/m ³ | Workers | Systemic |
| DNEL long-term dermal | 78 mg/kg bw/day | Consumers | Systemic |
| DNEL long-term dermal | 183 mg/kg bw/day | Workers | Systemic |
| PNEC aquatic, freshwater | 10 mg/l | | |
| PNEC aquatic, marine water | 1 mg/l | | |
| PNEC aquatic, intermittent release | 100 mg/l | | |
| PNEC sediment, freshwater | 52.3 mg/kg | | |
| PNEC sediment, marine water | 5.2 mg/kg | | |
| PNEC sewage treatment plant (STP) | 100 mg/l | | |
| Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics | | | |
| Type | Value | User | Effect |
| DNEL long-term oral (repeated) | 46 mg/kg bw/day | Consumers | Systemic |
| DNEL long-term inhalative | 185 mg/m ³ | Consumers | Systemic |
| DNEL long-term inhalative | 871 mg/m ³ | Workers | Systemic |
| DNEL long-term dermal | 77 mg/kg bw/day | Workers | Systemic |
| DNEL long-term dermal | 46 mg/kg bw/day | Consumers | Systemic |
| Hydrocarbons, C9, aromatics (128601-23-0) | | | |
| Type | Value | User | Effect |
| DNEL long-term oral (repeated) | 11 mg/kg bw/day | Consumers | Systemic |
| DNEL acute inhalative | 150 mg/m ³ | Workers | Systemic |
| DNEL long-term inhalative | 32 mg/m ³ | Consumers | Systemic |
| DNEL long-term dermal | 11 mg/kg bw/day | Consumers | Systemic |
| DNEL long-term dermal | 25 mg/kg bw/day | Workers | Systemic |

8.2 - Exposure controls

Appropriate engineering controls

- Do not breathe gas/fumes/vapour/spray.
- If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

Individual protection measures, such as personal protective equipment

- Eye glasses with side protection
- When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.
- The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.
- For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.
- Suitable material: NBR (Nitrile rubber)
- EN ISO 374

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- Wear anti-static footwear and clothing
- Respiratory protection necessary at:
aerosol or mist formation
- This product should not be used under
conditions of poor ventilation unless a
protective mask with an appropriate gas
filter (i.e. type A1 according to standard
EN 14387) is used.

SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

| <u>Physical state</u> | <u>Liquid</u> | <u>Appearance</u> | <u>Aerosol</u> |
|-------------------------------|---------------|-------------------|----------------|
| <u>Colour</u> | colourless | <u>Odour</u> | characteristic |
| Odour threshold | | No data available | |
| pH | | No data available | |
| Melting point | | No data available | |
| Freezing point | | No data available | |
| Boiling point | | > 80 °C | |
| Flash point | | < 21 °C | |
| Evaporation rate | | No data available | |
| flammability | | No data available | |
| Lower explosion limit | | 0.6 % Vol. | |
| Upper explosion limit | | 13.74 % Vol. | |
| Vapour pressure | | No data available | |
| Vapour density | | No data available | |
| Relative density | | No data available | |
| Density | | 0.827 kg/l | |
| Solubility (Water) | | No data available | |
| Solubility (Ethanol) | | No data available | |
| Solubility (Acetone) | | No data available | |
| Solubility (Organic solvents) | | No data available | |
| Log KOC | | No data available | |
| Auto-ignition temperature | | > 200 °C | |
| 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 | 97.215 % |
| Minimum ignition energy | No data available |
| Conductivity | No data available |

SECTION 10: Stability and reactivity

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10.1 - Reactivity

- Extremely flammable aerosol. Pressurized container: May burst if heated.

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

- 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

- 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

| | |
|---|---------------|
| propan-2-ol, isopropyl alcohol, isopropanol (67-63-0) | |
| LD50 oral (rat) | 5840 mg/kg |
| LD50 dermal (rabbit) | 13900 mg/kg |
| LC50 inhalation vapours (rat) | 5000 mg/l |
| 1-methoxy-2-propanol, monopropylene glycol methyl ether (107-98-2) | |
| LD50 oral (rat) | 4277 mg/kg |
| LD50 dermal (rat) | > 2000 mg/kg |
| LC50 inhalation vapours (rat) | 54.6 mg/l |
| Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics () | |
| LD50 oral (rat) | > 15000 mg/kg |
| LD50 dermal (rabbit) | > 5000 mg/kg |

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| Hydrocarbons, C9, aromatics (128601-23-0) | |
|---|--------------|
| LD50 oral (rat) | > 3492 mg/kg |
| LD50 dermal (rabbit) | > 3160 mg/kg |

| | |
|--|--|
| <u>Skin corrosion/irritation</u> | - Not classified |
| <u>Serious eye damage/eye irritation</u> | - Eye irritation - Category 2 - Causes serious eye irritation - Irritating to eyes. |
| <u>Respiratory or skin sensitisation</u> | - Not classified |
| <u>Germ cell mutagenicity</u> | - Not classified |
| <u>Carcinogenicity</u> | - Not classified |
| <u>Reproductive toxicity</u> | - Not classified |
| <u>STOT-single exposure</u> | - STOT-single exposure - Category 3 (H336) - May cause drowsiness or dizziness |
| <u>STOT-repeated exposure</u> | - Not classified - Repeated exposure may cause skin dryness or cracking. |
| <u>Aspiration hazard</u> | - Aspiration hazard - Category 1 |

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 |

Toxicity : Substances

| propan-2-ol, isopropyl alcohol, isopropanol (67-63-0) | |
|--|-----------------------------|
| EC50 48 hr crustacea | 1000 mg/l |
| LC50 96 hr fish | 9640 mg/l |
| ErC50 algae | > 100 mg/l |
| NOEC chronic algae | 1800 mg/l |
| 1-methoxy-2-propanol, monopropylene glycol methyl ether (107-98-2) | |
| EC50 48 hr crustacea | 21100 mg/l < V < 25900 mg/l |
| LC50 96 hr fish | > 4600 mg/l |
| ErC50 algae | > 1000 mg/l |

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| Hydrocarbons, C9, aromatics (128601-23-0) | |
|---|----------|
| EC50 48 hr crustacea | 3.2 mg/l |
| LC50 96 hr fish | 9.2 mg/l |
| ErC50 algae | 7.9 mg/l |

- Harmful to aquatic life with long lasting effects.

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

- This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

- This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

12.6 - Endocrine disrupting properties

12.7 - Other adverse effects

- No information available.

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

| | |
|---|--|
| <u>Waste treatment methods</u> | <ul style="list-style-type: none">- Dispose of waste according to applicable legislation.- Completely emptied packages can be recycled.- Handle contaminated packages in the same way as the substance itself. |
| <u>Sewage disposal</u> | <ul style="list-style-type: none">- No information available. |
| <u>Special precautions for waste treatment</u> | <ul style="list-style-type: none">- Do not allow to enter into surface water or drains.- Do not allow to enter into soil/subsoil. |
| <u>Community or national or regional provisions</u> | <ul style="list-style-type: none">- WASTES NOT OTHERWISE SPECIFIED IN THE LIST- gases in pressure containers other than those mentioned in 16 05 04 |

SECTION 14: Transport information

14.1 - UN number or ID number

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| | | |
|-------------------------|---|--------|
| <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) : 2.1
Pictograms



Transport hazard class(es) (IATA) : 2.1
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> | : | 190 327 344 625 |
| <u>Limited quantity (LQ)</u> | : | 1 L |
| <u>Excepted quantities</u> | : | E0 |

ADN

| | | |
|------------------------------|---|-----------------|
| <u>Special provisions</u> | : | 190 327 344 625 |
| <u>Limited quantity (LQ)</u> | : | 1 L |
| <u>Excepted quantities</u> | : | E0 |

IMDG

| | | |
|--|---|----------------------------|
| <u>Special provisions</u> | : | 63 190 277 327 344 381 959 |
| <u>Limited quantity (LQ)</u> | : | 1000 mL |
| <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 97.215 %

- Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]

- P3b Flammable aerosols

- hazardous to water (WGK 2)

- obviously hazardous to water

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

- 5% or more but less than 15%: aromatic hydrocarbons

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 | 6/9/2022 | | |

Texts of the regulatory sentences

| | |
|-------------------|--|
| Aerosol 1 | Aerosol - Category 1 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment - Aquatic Chronic 2 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment - Aquatic Chronic 3 |
| Asp. Tox. 1 | Aspiration hazard - Category 1 |
| Eye Irrit. 2 | Eye irritation - Category 2 |
| Eye Irrit. 2A | Eye irritation - Category 2A |

ECS Electro-Degreaser

| | |
|--------------------|--|
| Flam. Liq. 2 | Flammable liquid and vapour. - Category 2 |
| Flam. Liq. 3 | Flammable liquid and vapour. - Category 3 |
| H222 | Extremely flammable aerosol |
| H225 | Highly flammable liquid and vapour |
| H226 | 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 |
| H319 | Causes serious eye irritation |
| H335 | May cause respiratory irritation |
| H336 | May cause drowsiness or dizziness |
| H411 | Toxic to aquatic life with long lasting effects |
| H412 | Harmful to aquatic life with long lasting effects |
| Press. Gas (Comp.) | Compressed gas |
| STOT SE 3 (H335) | STOT-single exposure - Category 3 (H335) |
| STOT SE 3 (H336) | STOT-single exposure - Category 3 (H336) |

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