



SPRAYWASH

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

1.1 - Product identifier

Trade name/designation SPRAYWASH

Chemical name

Product-type Mixture

UFI: HH20-U0SU-F00S-0853

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

Relevant identified uses

- Aerosols
- PC35: Washing and cleaning products (including solvent based products).
- Consumer uses: Private households (= general public = consumers)

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

Distributor

ECS AG
Talstrasse 35-37
8808 Pfäeffikon
Switzerland
gunnar.kleinmann@ecsag.com
+41 (0)44 / 787 53 53

1.4 - Emergency telephone number

Verwenden Sie Ihre nationale oder lokale Notrufnummer (Deutschland)
Tel. No.: +49(0)30-19240.
Schweizerisches Toxikologisches Informationszentrum (Schweiz)/ Centro svizzero di informazione tossicologica (Svizzera)/ Centre Suisse d'Information Toxicologique (Suisse)
Tel. No.: +41 44 251 51 51
Tox Info Suisse Notrufnummer: 145 (24 Stunden)/ Numero di emergenza Tox Info Suisse: 145 (24 ore)/ Tox Info Suisse Numéro d'urgence: 145 (24h/24)
Giftnotrufzentrale (Österreich)
Tel. No.: +43 1 406 4343

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

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2.2 - Label elements

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

Contains: propan-2-ol, isopropyl alcohol, isopropanol | Hydrocarbons, C6, isoalkanes, <5% n-hexane | Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics | 1-methoxy-2-propanol, monopropylene glycol methyl ether

Signal word : Danger

Hazard pictograms



Hazard statements

H222	Extremely flammable aerosol
H229	Pressurised container: May burst if heated
H315	Causes skin irritation
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
H411	Toxic to aquatic life with long lasting effects

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.
P271	Use only outdoors or in a well-ventilated area.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501	Dispose of contents/container to an appropriate recycling or disposal facility/in an approved treatment center in accordance with local/regional/national/international regulation.

EUH-phrases : None

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

Contains:

- 30% or more: aliphatic 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.

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SECTION 3: Composition / information on ingredients

3.1 - Substances

Not applicable

3.2 - Mixtures

Chemical name	No.	%	Class(es)	Specific concentration limit
propan-2-ol, isopropyl alcohol, isopropanol INCI: ISOPROPYL ALCOHOL	CAS No. : 67-63-0 Index No. : 603-117-00-0 EC No. : 200-661-7	>= 35 - < 40	Eye Irrit. 2 - H319 Flam. Liq. 2 - H225 STOT SE 3 - H336	Not applicable
Hydrocarbons, C6, isoalkanes, <5% n-hexane	CAS No. : Index No. : EC No. : 931-254-9 REACH No. : 01-2119484651-34	>= 25 - < 30	Aquatic Chronic 2 - H411 Asp. Tox. 1 - H304 Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 STOT SE 3 - H336	Not applicable
Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics	CAS No. : Index No. : EC No. : 927-241-2	>= 12.5 - < 15	Aquatic Chronic 3 - H412 Asp. Tox. 1 - H304 Flam. Liq. 3 - H226 STOT SE 3 - H336	Not applicable
1-methoxy-2-propanol, monopropylene glycol methyl ether INCI: METHOXYISOPROPA NOL	CAS No. : 107-98-2 Index No. : 603-064-00-3 EC No. : 203-539-1	>= 10 - < 12.5	Flam. Liq. 3 - H226 STOT SE 3 - H336	Not applicable
butanone, ethyl methyl ketone	CAS No. : 78-93-3 Index No. : 606-002-00-3 EC No. : 201-159-0	>= 2.5 - < 5	Eye Irrit. 2 - H319 Flam. Liq. 2 - H225 STOT SE 3 - H336	Not applicable
carbon dioxide INCI: CARBON DIOXIDE	CAS No. : 124-38-9 Index No. : EC No. : 204-696-9	>= 2.5 - < 5	Press. Gas (Comp.) - H280	Not applicable

SECTION 4: First aid measures

4.1 - Description of first aid measures

<u>Following inhalation</u>	- Provide fresh air. - When in doubt or if symptoms are observed, get medical advice.
<u>Following skin contact</u>	- After contact with skin, wash immediately with plenty of water and soap. - In case of skin irritation, consult a physician.
<u>After eye contact</u>	- Rinse immediately carefully and thoroughly with eye-bath or water. - In case of eye irritation consult an ophthalmologist.
<u>After ingestion</u>	- Rinse mouth thoroughly with water. - Do NOT induce vomiting. - When in doubt or if symptoms are observed, get medical advice.

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>	- Causes skin irritation.
<u>Symptoms and effects - After eye contact</u>	- Causes eye irritation.

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Symptoms and effects - After ingestion - No information available.

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

- Treat symptomatically.
- In case an intoxication is suspected, National Poisons Information Centre should be addressed immediately, number of Emergency telephone see in section 1.4.

SECTION 5: Firefighting measures

5.1 - Extinguishing media

Suitable extinguishing media

- ABC-powder
- 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

- Extremely flammable aerosol. Pressurized container: May burst if heated.
- Vapours can form explosive mixtures with air.

Hazardous decomposition products

- No information available.

5.3 - Advice for firefighters

- Co-ordinate fire-fighting measures to the fire surroundings.
- Wear a self-contained breathing apparatus and chemical protective clothing.
- Wear full chemical protective clothing.
- Use water spray jet to protect personnel and to cool endangered containers.
- 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

For non-emergency personnel

- Remove persons to safety.
- Ventilate affected area.
- Provide adequate ventilation.
- Remove all sources of ignition.
- Wear breathing apparatus if exposed to vapours/dusts/aerosols.
- Use personal protection equipment.
- Avoid breathing dust/fume/gas/mist/vapours/spray.

For emergency responders

- Wear breathing apparatus if exposed to vapours/dusts/aerosols.

6.2 - Environmental precautions

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

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6.3 - Methods and material for containment and cleaning up

<u>Methods and material for containment</u>	- No information available.
<u>Methods and material for cleaning up</u>	- Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). - Wash with plenty of water.
<u>Inappropriate techniques</u>	- No information available.

6.4 - Reference to other sections

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

SECTION 7: Handling and storage

7.1 - Precautions for safe handling

<u>Recommendation</u>	- 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. - 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. - Heating causes rise in pressure with risk of bursting.
<u>Advices on general occupational hygiene</u>	- Remove contaminated, saturated clothing immediately. - 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

- Store in a place accessible by authorized persons only.
- Do not store together with: Food and feeding stuffs
- Ensure adequate ventilation of the storage area.
- 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.
- Do not store together with: Oxidising agent
- Pyrophoric or self-heating substances

7.3 - Specific end use(s)

- Washing and cleaning products
- Consumer use

SECTION 8: Exposure controls/personal protection



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8.1 - Control parameters

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
butanone, ethyl methyl ketone (78-93-3)	
IOELV TWA mg/m ³ (UE)	600 mg/m ³
IOELV TWA ppm (UE)	200 ppm
IOELV STEL mg/m ³ (UE)	900 mg/m ³
IOELV STEL ppm (UE)	300 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 short-term oral (acute)	51 mg/kg	Consumers	Systemic
DNEL long-term oral (repeated)	26 mg/kg bw/day	Consumers	Systemic
DNEL acute inhalative	178 mg/m ³	Consumers	Systemic
DNEL acute inhalative	1000 mg/m ³	Workers	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 soil	28 mg/kg		
PNEC Secondary Poisoning	160 mg/kg		
PNEC sewage treatment plant (STP)	2251 mg/l		

Hydrocarbons, C6, isoalkanes, <5% n-hexane			
Type	Value	User	Effect
DNEL long-term oral (repeated)	1301 mg/kg bw/day	Consumers	Systemic
DNEL long-term inhalative	5306 mg/m ³	Workers	Systemic
DNEL long-term inhalative	1131 mg/m ³	Consumers	Systemic
DNEL long-term dermal	1377 mg/kg bw/day	Consumers	Systemic

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

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

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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 soil	4.59 mg/kg		
PNEC sewage treatment plant (STP)	100 mg/l		

8.2 - Exposure controls

Appropriate engineering controls

- Do not breathe dust/fume/gas/mist/vapours/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

- Wear eye/face protection.
- Suitable eye protection: Eye glasses with side protection
- DIN EN 166
- Wear anti-static footwear and clothing
- Tested protective gloves must be worn
- 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.
- 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.
- When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.
- Suitable material: NBR (Nitrile rubber)
- Breakthrough time: > 480 min.
- Thickness of the glove material: >= 0,4 mm



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- 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.
- Use only respiratory protection equipment with CE-symbol including four digit test number.

Environmental exposure controls

- Do not allow to enter into surface water or drains.

SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

<u>Physical state</u> <u>Colour</u>	Liquid colourless	<u>Appearance</u> <u>Odour</u>	Aerosol characteristic
Odour threshold		No data available	
pH		No data available	
Melting point		No data available	
Freezing point		No data available	
Boiling point		> 48 °C	
Flash point		< 0 °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		0.755 g/cm ³	
Solubility (Water)		practically insoluble	
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
Dustiness	No data available
Specific surface area	No data available
Shape	No data available

9.2 - Other information

VOC content	96.97 %
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Minimum ignition energy	No data available
Conductivity	No data available
Refractive index	No data available
Solids content	No data available
Surface tension	No data available
Saturation concentration	No data available

SECTION 10: Stability and reactivity

10.1 - Reactivity

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

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

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



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LC50 inhalation vapours (rat)	5000 mg/l
Hydrocarbons, C6, isoalkanes, <5% n-hexane ()	
LD50 oral (rat)	> 16750 mg/kg
LD50 dermal (rabbit)	> 3350 mg/kg
LC50 inhalation vapours (rat)	73860 mg/l Industrial Medicine, Vol. 39, No. 5, May (OECD Guideline 403)
Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics ()	
LD50 oral (rat)	> 15000 mg/kg
LD50 dermal (rabbit)	> 5000 mg/kg
1-methoxy-2-propanol, monopropylene glycol methyl ether (107-98-2)	
LD50 oral (rat)	4277 mg/kg
LD50 dermal (rat)	11000 mg/kg
LC50 inhalation vapours (rat)	54.6 mg/l

Skin corrosion/irritation

- Irritation, Category 2 - Causes skin irritation
- Irritating to skin.

Serious eye damage/eye irritation

- Eye irritation - Category 2 - Causes serious eye irritation
- Causes serious eye irritation.

Respiratory or skin sensitisation

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

Germ cell mutagenicity

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

Carcinogenicity

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

Reproductive toxicity

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

STOT-single exposure

- STOT-single exposure - Category 3 (H336) - May cause drowsiness or dizziness
- May cause drowsiness or dizziness.

STOT-repeated exposure

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

Aspiration hazard

- Aspiration hazard - Category 1
- May be fatal if swallowed and enters airways.

11.2 - Information on other hazards

- This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

SECTION 12: Ecological information

12.1 - Toxicity

Toxicity : Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available



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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

- Toxic to aquatic life with long lasting effects.

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 fish	> 1000 mg/l
NOEC chronic algae	1800 mg/l
Hydrocarbons, C6, isoalkanes, <5% n-hexane ()	
LC50 96 hr fish	18.27 mg/l
ErC50 algae	13.56 mg/l
NOEC chronic fish	4.089 mg/l
NOEC chronic crustacea	7.138 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

12.2 - Persistence and degradability

Mixture

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.

Substances

propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)	
% of biodegradation in 28 days	95 %
Hydrocarbons, C6, isoalkanes, <5% n-hexane ()	
% of biodegradation in 28 days	98 %
1-methoxy-2-propanol, monopropylene glycol methyl ether (107-98-2)	
% of biodegradation in 28 days	96 %
butanone, ethyl methyl ketone (78-93-3)	
% of biodegradation in 28 days	98 %

12.3 - Bioaccumulative potential

Mixture

Bioconcentration factor (BCF)	No data available
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Log KOC	No data available
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- No indication of bioaccumulation potential.

Substances

propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)	
Log KOC	0.05
Hydrocarbons, C6, isoalkanes, <5% n-hexane ()	
Bioconcentration factor (BCF)	>= 11.73
Log KOC	5.8
Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics ()	
Bioconcentration factor (BCF)	144.3
Log KOC	4 < V < 5.7
1-methoxy-2-propanol, monopropylene glycol methyl ether (107-98-2)	
Bioconcentration factor (BCF)	< 100
Log KOC	0.37
butanone, ethyl methyl ketone (78-93-3)	
Log KOC	0.3

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

- This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7 - Other adverse effects

- No information available.

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

<u>Waste treatment methods</u>	- Dispose of waste according to applicable legislation. - Handle contaminated packages in the same way as the substance itself. - packaging containing residues of or contaminated by dangerous substances - Do not allow to enter into surface water or drains.
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<u>Sewage disposal</u>	- No information available.
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<u>Special precautions for waste treatment</u>	- Do not allow to enter into surface water or drains.
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<u>Community or national or regional provisions</u>	- No information available.
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Waste codes / waste designations according to Regulation 2014/955/UE : 16 05 04* - gases in pressure containers (including halons) containing hazardous substances

SECTION 14: Transport information

14.1 - UN number or ID number

UN number (ADR) : UN1950
UN number (RID) : UN1950
UN number (ADN) : UN1950
UN number (IMDG) : UN1950
UN number (IATA) : UN1950

14.2 - UN proper shipping name

UN proper shipping name (ADR) : AEROSOLS
UN proper shipping name (RID) : AEROSOLS
UN proper shipping name (ADN) : AEROSOLS
UN proper shipping name (IMDG) : AEROSOLS
UN proper shipping name (IATA) : AEROSOLS, FLAMMABLE

14.3 - Transport hazard class(es)

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

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Pictograms



Transport hazard class(es) : 2
(IATA)

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 : Yes.
Marine pollutant : Hazardous to the aquatic environment - Aquatic Chronic 2

14.6 - Special precautions for user

ADR

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



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RID

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

ADN

<u>Special provisions</u>	:	190+327+344+625
<u>Limited quantity (LQ)</u>	:	1000 mL
<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>	:	
<u>Special packing provisions</u>	:	
<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>	:	
<u>Properties and observations</u>	:	

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>	:	
<u>ERG Code</u>	:	

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

<u>Substances REACH candidates</u>	None
<u>Substances Annex XIV</u>	None
<u>Substances Annex XVII</u>	None
<u>VOC content</u>	96.97 %

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- -- COMMISSION REGULATION (EC) No 907/2006 of 20 June 2006 amending Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents, in order to adapt Annexes III and VII thereto. The Regulation has been published in the Official Journal of the European Union No. L 168/5 on 21 June, 2006;
- -- COMMISSION REGULATION (EU) 2016/918 of 19 May 2016 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures. The Regulation has been published in the Official Journal of the European Union No. L 156, on 14 June, 2016;
- -- COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Regulation (EC) No. 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (OJ L 203, 26.6.2020, p. 28–58);
- -- On 16 December 2008 the Regulation (EC) No. 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of chemical substances and mixtures was undersigned. The said Regulation amended and repealed the directives 67/548/EEC and 1999/45/EC and Regulation (EC) No. 1907/2006 (the REACH Regulation). The Regulation has been published in the Official Journal of the European Union No. L 353, volume 51 on 31 December, 2008;
- -- REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents (OJ L 104/1, 8.4.2004, p.001-0035);
- -- Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No.793/93, Commission Regulation (EC) No. 1488/94, Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (Official Journal of the European Union No. L 396, 30-12-2006, error correction – No. L 136/3, 2007-5-29);
- -- The European Agreement concerning International Carriage of Dangerous Goods by Road (ADR).
- P3b Flammable aerosols
- Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]
- E2 Hazardous to the aquatic environment in Category Chronic 2
- Swiss Regulations: Article 4 para. 4 of the Ordinance on the protection of young people in the workplace (SR 822.115) and Article 1 lit. f of the EAER regulation on hazardous work and young people (SR 822.115.2).
- Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

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

Contains:

- 30% or more: aliphatic 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
4	01/10/2024		
3	10/04/2024		
2	01/11/2024		
1	01/09/2022		

Indication of changes: Section: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15.

Abbreviations and acronyms - ACGIH – Association advancing occupational and environmental health.

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- ADN – European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
- ADR – European Agreement concerning the International Carriage of Dangerous Goods by Road.
- CAS – Chemical Abstracts Service number.
- CEN – European Committee for Standardisation.
- EC50 – Effective concentration to 50% of a test population (half maximal effective concentration).
- IC50 – Inhibitory concentration to 50% of a test population (half maximal inhibitory concentration).
- IMDG – International Maritime Dangerous Goods.
- IMO – International Maritime Organization.
- LC50 – Lethal Concentration to 50 % of a test population.
- LD50 – Lethal Dose to 50% of a test population (Median Lethal Dose).
- MSDS – Material Safety Data Sheet.
- NIOSH – National Institute of Occupational Safety and Health.
- NOEC – No effect concentration.
- PBT – Persistent, Bioaccumulative and Toxic substance.
- PNEC(s) – Predicted No Effect Concentration(s).
- RID – Regulations concerning the International Carriage of Dangerous Goods by Rail.
- STOT – Specific Target Organ Toxicity.
- vPvB – Very Persistent and Very Bioaccumulative.

Data sources:

European Chemicals Agency (ECHA)
European Chemicals Bureau (ECB)
International Laboratories Organization (ILO)

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
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.
H315	Causes skin irritation
H319	Causes serious eye 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



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Skin Irrit. 2	Irritation, Category 2
STOT SE 3	STOT-single exposure - Category 3 (H336)

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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