

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

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

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]

Skin Irrit. 2	Irritation, Category 2
Eye Irrit. 2	Eye irritation - Category 2
STOT SE 3 (H336)	STOT-single exposure - Category 3 (H336)
Aquatic Chronic 2	Hazardous to the aquatic environment - Aquatic Chronic 2
Aerosol 1	Aerosol - 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) | Hydrocarbons, C6, isoalkanes, <5% n-hexane (CAS No.:) | Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics (CAS No.:) | 1-methoxy-2-propanol, monopropylene glycol methyl ether (CAS No.: 107-98-2) | butanone, ethyl methyl ketone (CAS No.: 78-93-3)

Signal word : Danger

Hazard pictograms



Hazard statements

H222	Extremely flammable aerosol
H229	Pressurised container: May burst if heated
H315	Causes skin irritation

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H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
H411	Toxic 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.
P103	Read carefully and follow all instructions.
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.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water/water and soap.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a a POISON CENTER/a doctor if you feel unwell.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
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)

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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
propan-2-ol, isopropyl alcohol, isopropanol	CAS No. : 67-63-0 Index No. : 603-117-00-0 EC No. : 200-661-7	35	Eye Irrit. 2 - H319 Flam. Liq. 2 - H225 STOT SE 3 (H336) - H336	Not applicable
Hydrocarbons, C6, isoalkanes, <5% n-hexane	CAS No. : Index No. : EC No. : 931-254-9 REACH No. : 01-2119484651-34	25	Aquatic Chronic 2 - H411 Asp. Tox. 1 - H304 Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 STOT SE 3 (H336) - H336	Not applicable
Chemical name	No	%	Class(es)	Specific concentration limit

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Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics	CAS No. : Index No. : EC No. : 927-241-2	15	Aquatic Chronic 3 - H412 Asp. Tox. 1 - H304 Flam. Liq. 3 - H226 STOT SE 3 (H336) - H336	Not applicable
1-methoxy-2-propanol, monopropylene glycol methyl ether	CAS No. : 107-98-2 Index No. : 603-064-00-3 EC No. : 203-539-1	15	Flam. Liq. 3 - H226 STOT SE 3 (H336) - H336	Not applicable
butanone, ethyl methyl ketone	CAS No. : 78-93-3 Index No. : 606-002-00-3 EC No. : 201-159-0	5	Eye Irrit. 2 - H319 Flam. Liq. 2 - H225 STOT SE 3 (H336) - H336	Not applicable
carbon dioxide	CAS No. : 124-38-9 Index No. : EC No. : 204-696-9	5	Press. Gas (Comp.) - H280	Not applicable

SECTION 4: First aid measures

4.1 - Description of first aid measures

<u>Following inhalation</u>	- No special measures are necessary. - Provide fresh air.
<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.

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.
<u>Symptoms and effects - After ingestion</u>	- No information available.

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

- Treat symptomatically.

SECTION 5: Firefighting measures

5.1 - Extinguishing media

<u>Suitable extinguishing media</u>	- ABC-powder - Carbon dioxide (CO2) - Foam - Extinguishing powder
<u>Unsuitable extinguishing media</u>	- 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.

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 - Avoid: Eye contact
- It is recommended to design all work processes always so that the following is excluded: Eye contact
- Avoid: Skin contact
- It is recommended to design all work processes always so that the following is excluded: Skin contact

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

propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)

IOELV TWA mg/m ³ (UE)	1250 mg/m ³
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IOELV TWA ppm (UE)	400 ppm
IOELV STEL mg/m3 (UE)	999 mg/m3
IOELV STEL ppm (UE)	400 ppm

1-methoxy-2-propanol, monopropylene glycol methyl ether (107-98-2)

IOELV TWA mg/m3 (UE)	375 mg/m3
IOELV TWA ppm (UE)	100 ppm
IOELV STEL mg/m3 (UE)	560 mg/m3
IOELV STEL ppm (UE)	150 ppm

carbon dioxide (124-38-9)

IOELV TWA mg/m3 (UE)	9150 mg/m3
IOELV TWA ppm (UE)	5000 ppm
IOELV STEL mg/m3 (UE)	27400 mg/m3
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/m3	Workers	Systemic
DNEL long-term inhalative	89 mg/m3	Consumers	Systemic
DNEL long-term dermal	888 mg/kg bw/day	Workers	Systemic
DNEL long-term dermal	319 mg/kg bw/day	Consumers	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		

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/m3	Workers	Systemic
DNEL long-term inhalative	1131 mg/m3	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	871 mg/m3	Workers	Systemic
DNEL long-term inhalative	185 mg/m3	Consumers	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
DNEL acute inhalative	553.5 mg/m3	Workers	Systemic
DNEL acute inhalative	553.5 mg/m3	Workers	Local
DNEL long-term inhalative	369 mg/m3	Workers	Systemic
DNEL long-term inhalative	43.9 mg/m3	Consumers	Systemic
DNEL long-term dermal	183 mg/kg bw/day	Workers	Systemic
DNEL long-term dermal	78 mg/kg bw/day	Consumers	Systemic

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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		

8.2 - Exposure controls

Appropriate engineering controls

Individual protection measures, such as personal protective equipment

- No information available.
- Suitable eye protection: Eye glasses with side protection

- Suitable eye protection: Dust protection eye glasses

- Suitable protective clothing: lab coat

- 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.

- Barrier creams are not substitutes for body protection.



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>	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		No data available	
Flash point		-26 °C	
Evaporation rate		No data available	
flammability		No data available	
Lower explosion limit		0.8 % Vol.	
Upper explosion limit		20 % Vol.	

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Vapour pressure	6400 hPa
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	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
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9.2 - Other information

VOC content	96.4 %
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

- 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

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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
Hydrocarbons, C6, isoalkanes, <5% n-hexane ()	
LD50 oral (rat)	> 16750 mg/kg
LD50 dermal (rabbit)	> 3350 mg/kg
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)	> 2000 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

- Irritating to eyes.

Respiratory or skin sensitisation

- Not classified

Germ cell mutagenicity

- Not classified

Carcinogenicity

- Not classified

Reproductive toxicity

- Not classified

STOT-single exposure

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

STOT-repeated exposure

- Not classified

Aspiration hazard

- Not classified

11.2 - Information on other hazards

SECTION 12: Ecological information

12.1 - Toxicity

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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	9714 mg/l
LC50 96 hr fish	9640 mg/l
ErC50 algae	> 100 mg/l

Hydrocarbons, C6, isoalkanes, <5% n-hexane ()

LC50 96 hr fish	18.27 mg/l
ErC50 algae	13.56 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

- Toxic 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

12.6 - Endocrine disrupting properties

12.7 - Other adverse effects

- No information available.

SECTION 13: Disposal considerations

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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>	:	Not applicable
<u>UN number (IMDG)</u>	:	Not applicable
<u>UN number (IATA)</u>	:	Not applicable

14.2 - UN proper shipping name

<u>UN proper shipping name (ADR)</u>	:	AEROSOLS
<u>UN proper shipping name (RID)</u>	:	AEROSOLS

14.3 - Transport hazard class(es)

<u>ADR Transport hazard class(es)</u>	:	2
<u>ADR Classification code:</u>	:	5F
<u>Pictograms</u>		



<u>Transport hazard class(es) (RID)</u>	:	2
<u>Pictograms</u>		



14.4 - Packing group

<u>Packing group</u>	:	
<u>Packing group (RID)</u>	:	

14.5 - Environmental hazards

<u>Environmental hazards</u>	:	Yes.
<u>Marine pollutant</u>	:	Hazardous to the aquatic environment - Aquatic Chronic 2

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14.6 - Special precautions for user

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>	:

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>	96.4 %

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

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15.2 - Chemical Safety Assessment

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

SECTION 16: Other information

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SDS versions

Version	Issue date	Author	Description of the amendments
1	9/1/2022		

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

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