

Safety Data Sheet

according to Regulation (EC) No 1907/2006

odstranovac etiket (CH046)

Revision date: 03.02.2023

Product code: CH046

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

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1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

Cleaning agent.

Uses advised against

Do not use in cavities.

1.3. Details of the supplier of the safety data sheet

Company name:	Chemstr-Šafaøík s.r.o.	
Street:	Modlanská 1886	
Place:	CZ-415-01 Teplice	
Telephone:	+420 417 562 000	
E-mail:	info@chemstr.cz	
Contact person:	Ludék Šafaøík	Telephone: +420 417 562 000
E-mail:	info@chemstr.cz	
Internet:	www.chemstr.cz	
Responsible Department:	Regulatory Affairs / Produktsicherheit (product-safety) / Bezpeènostní listy	

1.4. Emergency telephone number:

Toxikologické informaèní støedisko, Praha (nepøetržitì): +420 224 919 293 / +420 224 915 402

Further Information

Follow the instructions for use on the label. To avoid risks to man and the environment, comply with the instructions for use.

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Regulation (EC) No 1272/2008**Aerosol 1; H222-H229
Asp. Tox. 1; H304
Skin Irrit. 2; H315
Eye Irrit. 2; H319
Skin Sens. 1; H317
STOT SE 3; H336
Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

2.2. Label elements**Regulation (EC) No 1272/2008****Hazard components for labelling**propan-2-ol; isopropyl alcohol; isopropanol
Orange, sweet, ext.**Signal word:** Danger**Pictograms:****Hazard statements**

H222 Extremely flammable aerosol.

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H229	Pressurised container: May burst if heated.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements

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.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P312	Call a POISON CENTER/doctor if you feel unwell.
P362+P364	Take off contaminated clothing and wash it before reuse.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501	Dispose of contents/container to according to local / regional / national / international regulations for disposal.

Additional advice on labelling

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

Labelling of packages where the contents do not exceed 125 ml**Signal word:** Danger**Pictograms:****Hazard statements**

H222-H229-H317-H412

Precautionary statements

P210-P211-P251-P261-P280-P362+P364-P410+P412-P501

2.3. Other hazards

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop. The labeling of an aspiration hazard (Asp. Tox. 1 H304) is for aerosol dispensers and containers with sealed sprayer not required (Regulation (EC) 1272/2008, Annex 1, 1.3.3). Wear suitable protective clothing, gloves and eye/face protection.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Chemical characterization**

Mixture of substances listed below with nonhazardous additions:

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Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol			25 - <= 60 %
	200-661-7		01-2119457558-25	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336			
106-97-8	Butane (<0.1% butadiene (EINECS 203-450-8))			0 - < 50 %
	203-448-7	601-004-00-0	01-2119474691-32	
	Flam. Gas 1, Compressed gas; H220 H280			
74-98-6	propane			10 - <= 30 %
	200-827-9	601-003-00-5	01-2119486944-21	
	Flam. Gas 1, Compressed gas; H220 H280			
8028-48-6	Orange, sweet, ext.			10 - < 30 %
	232-433-8		01-2119493353-35	
	Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1, Asp. Tox. 1, Aquatic Chronic 2; H226 H315 H317 H304 H411			

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
67-63-0	200-661-7	propan-2-ol; isopropyl alcohol; isopropanol	25 - <= 60 %
		inhalation: LC50 = > 20 mg/l (dusts or mists); dermal: LD50 = 12882,2 mg/kg; oral: LD50 = 5840 mg/kg Eye Irrit. 2; H319: >= 10 - 100 STOT SE 3; H336: >= 20 - 100	
106-97-8	203-448-7	Butane (<0.1% butadiene (EINECS 203-450-8))	0 - < 50 %
		inhalation: LC50 = 658 mg/l (dusts or mists)	
74-98-6	200-827-9	propane	10 - <= 30 %
		inhalation: LC50 = > 20 mg/l (dusts or mists)	
8028-48-6	232-433-8	Orange, sweet, ext.	10 - < 30 %
		dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5000 mg/kg Skin Irrit. 2; H315: >= 1 - 100 Skin Sens. 1; H317: >= 1 - 100	

Labelling for contents according to Regulation (EC) No 648/2004

>= 30 % aliphatic hydrocarbons, perfumes (Limonene).

SECTION 4: First aid measures
4.1. Description of first aid measures
General information

First aider: Pay attention to self-protection! In all cases of doubt, or when symptoms persist, seek medical advice. Remove contaminated, saturated clothing immediately. Remove persons to safety. Keep away from unprotected people. Keep upwind. Ventilate affected area. Never give anything by mouth to an unconscious person or a person with cramps.

After inhalation

Provide fresh air. Seek medical attention if problems persist. Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration. Call a physician immediately.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Remove contaminated clothing immediately and dispose off safely. Seek medical attention if problems persist.

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After contact with eyes

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eyelids open. Protect the injured eye. Rinse also under the lid of the eyelid. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

No usual way of intake because of aerosol.
Rinse mouth thoroughly with water. Do NOT induce vomiting. Caution if victim vomits: Risk of aspiration! Medical treatment necessary. In case of spontaneous vomiting, keep the head below the waist to prevent aspiration of the product.

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

The following symptoms may occur: difficulties of breathing. Headache. Dizziness. Dizziness. Coughing. Nausea. Anaesthetic state.

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

First Aid, decontamination, treatment of symptoms. Caution if victim vomits: Risk of aspiration! Subsequent observance for pneumonia and lung oedema. Because of aspiration gastric lavage only under endotracheal intubation.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂). Dry extinguishing powder. Foam. Water spray jet.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to the escape of irritating gases and vapors. In case of fire and/or explosion do not breathe fumes.

In case of fire may be liberated: carbon monoxide (CO). Carbon dioxide (CO₂).

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Wear chemical resistant suit.

Fight fire with normal precautions from a reasonable distance.

Additional information

Contaminated fire-fighting water must be collected separately. Dispose of fire residues and extinguishing water in accordance with official regulations. Co-ordinate fire-fighting measures to the fire surroundings.

Use water spray jet to protect personnel and to cool endangered containers.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Remove all sources of ignition. Provide adequate ventilation. Wear personal protection equipment. Keep away from unprotected people. Keep upwind.

For non-emergency personnel

Remove persons to safety.

For emergency responders

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

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

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For containment

Cover drains. Make sure spills can be contained, e.g. in sump pallets or kerbed areas.

Other information

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Take up mechanically, placing in appropriate containers for disposal. Ventilate affected area.

6.4. Reference to other sections

Treat the recovered material as prescribed in the section on waste disposal. Disposal: see section 13.

Safe handling: see section 7. Personal protection equipment: see section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Use only in well-ventilated areas. Keep away from sources of ignition - No smoking. Flammable vapours can accumulate in head space of closed systems. Do not use in cavities.

Avoid contact with skin and eyes. Do not breathe gas/vapour/aerosol.

Advice on protection against fire and explosion

Take precautionary measures against static discharges. Vapours may form explosive mixtures with air.

Remove all sources of ignition. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

Advice on general occupational hygiene

Work in well-ventilated zones or use proper respiratory protection. Do not eat, drink, smoke or sneeze at the workplace.

Wash hands before breaks and after work. Restore grease film of the skin after cleansing by using a fat cream to prevent dermatitis.

Do not breathe gas/fumes/vapour/spray. Avoid contact with skin and eyes.

Further information on handling

Heating causes rise in pressure with risk of bursting.

After use replace the closing cap immediately.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

The official regulations for the storage of compressed gas packages must be observed.

Hints on joint storage

Do not store together with: Food and feedingstuffs, Water.

Keep away from: Oxidizing agents.

Further information on storage conditions

Protect against: heat. UV-radiation/sunlight. frost. moisture.

7.3. Specific end use(s)

Cleaning agent. Observe instructions for use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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DNEL/DMEL values

CAS No	Name of agent		
DNEL type	Exposure route	Effect	Value
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol		
Worker DNEL, long-term	inhalation	systemic	500 mg/m ³
Worker DNEL, long-term	dermal	systemic	888 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	89 mg/m ³
Consumer DNEL, long-term	dermal	systemic	319 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	26 mg/kg bw/day
8028-48-6	Orange, sweet, ext.		
Worker DNEL, long-term	inhalation	systemic	31,1 mg/m ³
Worker DNEL, long-term	dermal	systemic	8,89 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	7,78 mg/m ³
Consumer DNEL, long-term	dermal	systemic	4,44 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	4,44 mg/kg bw/day

PNEC values

CAS No	Name of agent	
Environmental compartment	Value	
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol	
Freshwater	140,9 mg/l	
Freshwater (intermittent releases)	140,9 mg/l	
Marine water	140,9 mg/l	
Freshwater sediment	552 mg/kg	
Marine sediment	552 mg/kg	
Secondary poisoning	160 mg/kg	
Micro-organisms in sewage treatment plants (STP)	2251 mg/l	
Soil	28 mg/kg	
8028-48-6	Orange, sweet, ext.	
Freshwater	0,0054 mg/l	
Freshwater (intermittent releases)	0,00577 mg/l	
Marine water	0,00054 mg/l	
Freshwater sediment	1,3 mg/kg	
Marine sediment	0,13 mg/kg	
Micro-organisms in sewage treatment plants (STP)	2,1 mg/l	
Soil	0,261 mg/kg	

Additional advice on limit values

To date, no national critical limit values exist.

8.2. Exposure controls



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Appropriate engineering controls

Provide adequate ventilation as well as local exhaust at critical locations. Provide earthing of containers, equipment, pumps and ventilation facilities. Have eye showers and safety shower ready.

Individual protection measures, such as personal protective equipment

Eye/face protection

Tightly sealed safety glasses. EN 166

Hand protection

Protect skin by using skin protective cream. Take recovery periods for skin regeneration. Tested protective gloves are to be worn: EN ISO 374

The most suitable glove should be chosen in consultation with the glove supplier / manufacturer who can provide information on the breakthrough time of the glove material. Breakthrough times and swelling properties of the material must be taken into consideration. Observe the wear time limits as specified by the manufacturer. 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.

Wash hands thoroughly after handling. Restore grease film of the skin after cleansing by using a fat cream to prevent dermatitis.

Skin protection

Protective clothing: Body protection must be selected depending on the activity and possible impact. EN 13034-6

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Suitable respiratory protective equipment: Self-contained respirator (breathing apparatus).

Thermal hazards

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

Environmental exposure controls

Discharge into the environment must be avoided. Do not allow uncontrolled discharge of product into the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Aerosol	
Colour:	colourless	
Odour:	fruity	
Odour threshold:	not determined	
Melting point/freezing point:		not determined
Boiling point or initial boiling point and boiling range:		< 0 °C
Flammability:	Extremely flammable aerosol.	
Lower explosion limits:		0,7 vol. %
Upper explosion limits:		13 vol. %
Flash point:		< 0 °C
Auto-ignition temperature:		235 °C
Decomposition temperature:		not determined
pH-Value:		not determined
Viscosity / kinematic:		not determined

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Water solubility:	Immiscible
Solubility in other solvents not determined	
Partition coefficient n-octanol/water:	not determined
Vapour pressure: (at 20 °C)	4200 - 8300 hPa
Vapour pressure:	not determined
Density (at 20 °C):	0,67 - 0,68 g/cm ³
Relative vapour density:	not determined

9.2. Other information

Information with regard to physical hazard classes

Explosive properties

not Explosive.

In use, may form flammable/explosive vapour-air mixture.

Self-ignition temperature

Solid:

not self-igniting

Gas:

not self-igniting

Oxidizing properties

not determined

Other safety characteristics

Evaporation rate:

not determined

Viscosity / dynamic:

not determined

Further Information

Temperature Class: T3 (maximum permissible surface temperature of the equipment = 200 ° C)

SECTION 10: Stability and reactivity

10.1. Reactivity

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

The mixture contains reactive substance(s). Ignition hazard.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

Ignition hazard. heat. UV-radiation/sunlight. frost. moisture.

10.5. Incompatible materials

Oxidizing agents.

10.6. Hazardous decomposition products

Thermal decomposition can lead to the escape of irritating gases and vapors.

 In case of fire may be liberated: carbon monoxide (CO). Carbon dioxide (CO₂).

Further information

In case of exceeding the storage temperature: Danger of bursting container. >50°C

SECTION 11: Toxicological information

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

Toxicokinetics, metabolism and distribution

There are no data available on the preparation/mixture itself.

The method of classification of the mixture is based on the components of the mixture: Additivity formula

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Acute toxicity

Based on available data, the classification criteria are not met.
Not excessively toxic.

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol				
	oral	LD50 5840 mg/kg	Ratte (Rattus).	ECHA	OECD 401
	dermal	LD50 12882,2 mg/kg	Kaninchen	ECHA	OECD 402
	inhalation (4 h) dust/mist	LC50 > 20 mg/l	Ratte (Rattus).	SDS / ECHA	OECD 403
106-97-8	Butane (<0.1% butadiene (EINECS 203-450-8))				
	inhalation (4 h) dust/mist	LC50 658 mg/l	Rat (Rattus).	MSDS	
74-98-6	propane				
	inhalation (4 h) dust/mist	LC50 > 20 mg/l	Rat (Rattus).	MSDS	
8028-48-6	Orange, sweet, ext.				
	oral	LD50 > 5000 mg/kg	Rat	Study report (1973)	OECD Guideline 401
	dermal	LD50 > 5000 mg/kg	Albino rabbit	Study report (1973)	OECD Guideline 402

Irritation and corrosivity

Causes skin irritation.
Causes serious eye irritation.
Prolonged or repeated skin contact may cause removal of natural fat from the skin resulting in dermatitis (skin inflammation).

Sensitising effects

May cause an allergic skin reaction. (Orange, sweet, ext.)

Carcinogenic/mutagenic/toxic effects for reproduction

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

STOT-single exposure

May cause drowsiness or dizziness. (propan-2-ol; isopropyl alcohol; isopropanol)

STOT-repeated exposure

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

Aspiration hazard

May be fatal if swallowed and enters airways.
The labeling of an aspiration hazard (Asp. Tox. 1 H304) is for aerosol dispensers and containers with sealed sprayer not required (Regulation (EC) 1272/2008, Annex 1, 1.3.3).

11.2. Information on other hazards

Endocrine disrupting properties

No data available

SECTION 12: Ecological information

12.1. Toxicity

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Harmful to aquatic life with long lasting effects.

Leakage into the environment must be prevented.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol					
	Acute fish toxicity	LC50 mg/l	10000	96 h	Pimephales promelas	Publication (1983) OECD Guideline 203
	Acute algae toxicity	ErC50 mg/l	> 100	72 h	Scenedesmus subspicatus	
	Acute crustacea toxicity	EC50 mg/l	> 10000	48 h	Daphnia magna (Großer Wasserfloh)	ECHA / SDS OECD 202
106-97-8	Butane (<0.1% butadiene (EINECS 203-450-8))					
	Acute fish toxicity	LC50 mg/l	49,9	96 h	Fish, no other information	United States Environmental Protection A The Ecosar class program has been develo
	Acute algae toxicity	ErC50 mg/l	19,37	96 h	algae	USEPA OPPT Risk Assessment Division (200 Calculation using ECOSAR Program v1.00.
	Acute crustacea toxicity	EC50 mg/l	69,43	48 h	Daphnia sp.	USEPA OPPT Risk Assessment Division (200 Calculation using ECOSAR Program v1.00.
74-98-6	propane					
	Acute fish toxicity	LC50 mg/l	49,9	96 h	Fish, no other information	United States Environmental Protection A The Ecosar class program has been develo
	Acute algae toxicity	ErC50 mg/l	19,37	96 h	algae	USEPA OPPT Risk Assessment Division (200 Calculation using ECOSAR Program v1.00.
	Acute crustacea toxicity	EC50 mg/l	69,43	48 h	Daphnia sp.	USEPA OPPT Risk Assessment Division (200 Calculation using ECOSAR Program v1.00.
8028-48-6	Orange, sweet, ext.					
	Acute fish toxicity	LC50 mg/l	2,76	96 h	Danio rerio	REACH Registration Dossier OECD Guideline 203
	Acute algae toxicity	ErC50	15 mg/l	72 h	algae spp.	REACH Registration Dossier OECD Guideline 201
	Acute crustacea toxicity	EC50	16 mg/l	48 h	Daphnia sp.	REACH Registration Dossier OECD Guideline 202

12.2. Persistence and degradability

No data available

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CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol			
	Verordnung (EG) Nr. 440/2008, Anhang C.5 (BSB)	53 %	5	ECHA / SDS
	Leicht biologisch abbaubar (nach OECD-Kriterien).			
	OECD 301E	95 %	21	SDS
	Leicht biologisch abbaubar (nach OECD-Kriterien).			
8028-48-6	Orange, sweet, ext.			
	OECD 301B: CO2 Evolution Test	60,5 %	28	ECHA
	Readily biodegradable (according to OECD criteria).			
	OECD 302C	75 %	28	Lebertz, 2008
	Readily biodegradable (according to OECD criteria).			
	OECD 301B: CO2 Evolution Test	72 - 83 %	28	King 1993, 1992
	Readily biodegradable (according to OECD criteria).			

12.3. Bioaccumulative potential

No data available

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol	0,05
106-97-8	Butane (<0.1% butadiene (EINECS 203-450-8))	1,09
74-98-6	propane	2,31
8028-48-6	Orange, sweet, ext.	2,78 - 4,88

BCF

CAS No	Chemical name	BCF	Species	Source
8028-48-6	Orange, sweet, ext.	1,502 - 2,597		REACH Registration D

12.4. Mobility in soil

No further relevant information available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to 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 further relevant information available.

Further information

Doesn't get into the sewage water as long as the process is carried out according to regulations.
Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.
hazardous to water (WGK 2)

SECTION 13: Disposal considerations
13.1. Waste treatment methods
Disposal recommendations

Consult the appropriate authorities about waste disposal. Dispose of waste according to applicable legislation. Do not allow to enter into surface water or drains. Only take completely empty aerosol cans to the recycling collection. Return cans that are not completely empty to the collection point for household chemicals. Dispose of contents/container to hazardous or special waste collection point. Handle contaminated packages in the

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same way as the substance itself.

List of Wastes Code - residues/unused products

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

List of Wastes Code - used product

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

List of Wastes Code - contaminated packaging

150104 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); metallic packaging

Contaminated packaging

Consult the appropriate authorities about waste disposal. Dispose of waste according to applicable legislation. Only take completely empty aerosol cans to the recycling collection. Recycle sales packaging via DSD (Duales System Deutschland).

SECTION 14: Transport information**Land transport (ADR/RID)**

14.1. UN number or ID number: UN 1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2
14.4. Packing group: -
Hazard label: 2.1



Classification code: 5F
Special Provisions: 190 327 344 625
Limited quantity: 1 L
Excepted quantity: E0
Transport category: 2
Tunnel restriction code: D

Inland waterways transport (ADN)

14.1. UN number or ID number: UN 1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2
14.4. Packing group: -
Hazard label: 2.1



Classification code: 5F
Special Provisions: 190 327 344 625
Limited quantity: 1 L
Excepted quantity: E0

Marine transport (IMDG)

14.1. UN number or ID number: UN 1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2.1

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14.4. Packing group:

-

Hazard label:

2.1



Marine pollutant:

Nein

Special Provisions:

63, 190, 277, 327, 344, 959

Limited quantity:

1000 mL

Excepted quantity:

E0

EmS:

F-D, S-U

Segregation group:

1 - acids

Air transport (ICAO-TI/IATA-DGR)
14.1. UN number or ID number:

UN 1950

14.2. UN proper shipping name:

AEROSOLS, flammable

14.3. Transport hazard class(es):

2.1

14.4. Packing group:

-

Hazard label:

2.1



Special Provisions:

A145 A167 A802

Limited quantity Passenger:

30 kg G

Passenger LQ:

Y203

Excepted quantity:

E0

IATA-packing instructions - Passenger:

203

IATA-max. quantity - Passenger:

75 kg

IATA-packing instructions - Cargo:

203

IATA-max. quantity - Cargo:

150 kg

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS:

No

14.6. Special precautions for user

Warning Keep away from sources of ignition - No smoking.

14.7. Maritime transport in bulk according to IMO instruments

No data available

Other applicable information

Transport as "limited quantity" according to chapter 3.4 ADR/RID.

SECTION 15: Regulatory information
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 40

2004/42/EC (VOC):

100 % (670 g/l)

Information according to 2012/18/EU (SEVESO III):

P3a FLAMMABLE AEROSOLS

Additional information

REACH Regulation (EC) No 1907/2006, as last amended by Commission Regulation (EU) 2022/586

CLP Regulation (EC) No 1272/2008, as last amended by Regulation (EU) 2021/1962

In the following under "NK" all volatile organic substances are quantitatively summed up, which according to

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chapter 5.2.5 of the TA-Luft are neither Class I nor Class II.

National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water hazard class (D): 2 - obviously hazardous to water

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Abbreviations and acronyms

 For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>

ADR: Accord européen sur le transport des marchandises dangereuses par Route (Europäisches Übereinkommen über die internationale Beförderung gefährlicher Güter auf der Straße) IMDG: International Maritime Code for Dangerous Goods (Internationaler Seeschiffahrtscode für gefährliche Güter) IATA: International Air Transport Association (Internationaler Luftverkehrsverband) GHS: Global harmonisiertes System zur Einstufung und Kennzeichnung von Chemikalien EINECS: Europäisches Verzeichnis der auf dem Markt vorhandenen chemischen Stoffe ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service LC50: Tödliche Konzentration, 50% LD50: Tödliche Dosis, 50%

Flam. Gas: Flammable gases
 Aerosol: Aerosols
 Compressed gas: Compressed gas
 Flam. Liq: Flammable liquid
 Asp. Tox: Aspiration hazard
 Skin Irrit: Skin irritation
 Eye Irrit: Eye irritation
 Skin Sens: Skin sensitisation
 STOT SE: Specific target organ toxicity - single exposure
 Aquatic Chronic: Chronic aquatic hazard

Key literature references and sources for data

Information from our suppliers as well as data from the "Database of registered substances" of the European Chemicals Agency (ECHA) were used for the preparation of this safety data sheet.

Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

Classification	Classification procedure
Aerosol 1; H222-H229	On basis of test data
Asp. Tox. 1; H304	Calculation method
Skin Irrit. 2; H315	Calculation method
Eye Irrit. 2; H319	Calculation method
Skin Sens. 1; H317	Calculation method
STOT SE 3; H336	Calculation method
Aquatic Chronic 3; H412	Calculation method

Relevant H and EUH statements (number and full text)

H220 Extremely flammable gas.
 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.

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H317	May cause an allergic skin reaction.
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.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations. This information is intended to give you indications for the safe handling of the product mentioned in this safety data sheet during storage, processing, transport and disposal. The details are not transferable to other products. Insofar as the product is mixed with other materials, mixed or processed, or subjected to processing, the information in this safety data sheet, unless expressly stated otherwise, can not be transferred to the new material produced in this way.

Identified uses

No	Short title	LCS	SU	PC	PROC	ERC	AC	TF	Specification
1	Washing and cleaning products (including solvent based products), Industrial spraying, Non industrial spraying	-	3, 22	35	7, 11	-	-	-	Aerosol

LCS: Life cycle stages

SU: Sectors of use

PC: Product categories

PROC: Process categories

ERC: Environmental release categories

AC: Article categories

TF: Technical functions

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)