

Foam cleaner

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

1.1 - Product identifier

Trade name/designation Foam cleaner

Chemical name

Product-type Mixture

Product code KF04504

UFI: 9A20-C0FN-K006-CW31

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

Relevant identified uses

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

1.3 - Details of the supplier of the safety data sheet

INTERACTION

Jean-Baptiste de Ghellincklaan 23, box 101

9051 Gent Belgium

Telephone : +32 9 380 8248; +32 9 380 8249

info@interaction-connect.com

1.4 - Emergency telephone number

Giftnotrufzentrale (Österreich)

Tel. No.: +43 1 406 4343

Национален център по токсикология, Болница за активно лечение и спешна медицина "Н. И. Пирогов" (България)

Tel. No. / fax: +359 2 9154 233

Centar za kontrolu trovanja (Hrvatska)

Tel. No.: +385 1 234 8342

Toxikologické informační centrum (Česká republika)

Tel. No.: +420 224 919 293 / +420 224 915 402

Giftlinjen (Denmark)

Tel. No.: +45 82 12 12 12

Mürgistusteabekeskus (Eesti)

Tel. No.: +372 794 3794 (or 16662 national/ või 16662 riiklikku)

Myrkytystietokeskus (Suomi)

Tel. No.: +358 09 471 977

ORFILA (INERIS) (France)

Tel. No.: +33 (0) 1 45 42 59 59

Giftinformationszentrum, Charité – Universitätsmedizin Berlin, Hindenburgdamm 30, 12203 Berlin (Deutschland)

Tel. No.: +4930 30686700

Κέντρο Πληροφοριών Δηλητηριάσεων (Ελλάδα)

Τηλ. Αρ.: (0030) 2107793777

Egészségügyi Toxikológiai Információs Szolgálat (Magyarország)

Foam cleaner

Tel. No.: +36 80 20 11 99

National Poisons Information Centre (Ireland)
Tel. No.: +353 (0) 1 809 2166

Hosp. Niguarda Ca 'Granda - Milan, Tel. No.: +39 02 66101029; CAV National Toxicological Information Center - Pavia, Tel. No.: +39 038224444 (Italy)

Valsts Toksikoloģijas centrs, Saindēšanās un zāļu informācijas centrs (Latvija)
Tel. No.: +371 670 42473

Valstybinė vaistų kontrolės tarnyba (VVKI), Apsinuodijimų informacijos biuras (VTI) (Lietuva)
Tel. No.: +370 5 236 20 52

Nationaal Vergiftigingen Informatie Centrum (NVIC) (Nederland)
Tel. No.: +31 (0) 30 274 8888

Norsk Giftinformasjonssenter (Norge)
Tel. No.: +47 22 59 13 00

Europejski numer alarmowy (Polska)
Tel. No.: 112

Instituto Nacional de Emergência Médica (Portugal)
Tel. No.: +351 213 303 271

Biroul RSI si Informare Toxicologica (Romania)
Tel. No.: +40 021 318 3606

Enotna telefonska številka za klice v sili (Slovenija)
Tel. No.: 112

Národné toxikologické informačné centrum (NTIC) (Slovensko)
Tel. No.: +421 2 5477 4166

Servicio de Información Toxicológica (España)
Tel. No.: +34 91 562 04 20

Svensk Giftinformationscentral (Sverige)
Tel. No.: +46 08 331231

NPIS (United Kingdom)
Tel. No.: 0344 892 0111

NPIC (Northern Ireland)
Tel. No.: (01) 809 2566

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

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

Aerosol 1	Aerosol - Category 1
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2.2 - Label elements

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

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Signal word : Danger

Hazard pictograms



Hazard statements

H222	Extremely flammable aerosol
H229	Pressurised container: May burst if heated

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.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501	Dispose of container/contents to an appropriate recycling or disposal facility in accordance with local/national/regional regulation.

EUH-phrases : None

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

Contains:

- less than 5%: nonionic surfactants
- 15% or more but less than 30%: aliphatic hydrocarbons
- perfumes

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.

Other hazards which do not result in classification

- In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

SECTION 3: Composition / information on ingredients

3.1 - Substances

Not applicable

3.2 - Mixtures

Chemical name	No.	%	Class(es)	Specific concentration limit
butane INCI: BUTANE	CAS No. : 106-97-8 Index No. : 601-004-00-0 EC No. : 203-448-7	>= 9 - <= 12	Flam. Gas 1 - H220 Press. Gas	Not applicable
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	>= 4 - <= 7	Eye Irrit. 2 - H319 Flam. Liq. 2 - H225 STOT SE 3 - H336	Not applicable

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Chemical name	No.	%	Class(es)	Specific concentration limit
propane INCI: PROPANE	CAS No. : 74-98-6 Index No. : 601-003-00-5 EC No. : 200-827-9	>= 3 - <= 6	Flam. Gas 1 - H220 Press. Gas	Not applicable
citral INCI: CITRAL	CAS No. : 5392-40-5 Index No. : 605-019-00-3 EC No. : 226-394-6	<= 0.001	Skin Irrit. 2 - H315 Skin Sens. 1 - H317	Not applicable

SECTION 4: First aid measures

4.1 - Description of first aid measures

<u>Following inhalation</u>	- Provide fresh air. - Remove casualty to fresh air and keep warm and at rest. - 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. - Remove contaminated, saturated clothing immediately. - Wash contaminated clothing before reuse. - When in doubt or if symptoms are observed, get medical advice.
<u>After eye contact</u>	- 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. - Remove contact lenses, if present and easy to do. Continue rinsing.
<u>After ingestion</u>	- Rinse mouth immediately and drink plenty of water. - Never give anything by mouth to an unconscious person or a person with cramps. - Do NOT induce vomiting. - Call a physician in any case!

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

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

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

- 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

<u>Suitable extinguishing media</u>	- Carbon dioxide (CO2) - Foam - Extinguishing powder
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Unsuitable extinguishing media - Full water jet

5.2 - Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture - This material is combustible and can be ignited by heat, sparks, flames, or other sources of ignition (e.g. static electricity, pilot lights, or mechanical/electrical equipment).
- Vapours can form explosive mixtures with air.
- Contains gas under pressure; may explode if heated.

Hazardous decomposition products - Carbon dioxide (CO₂)
- Carbon monoxide

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.
- Move undamaged containers from immediate hazard area if it can be done safely.
- Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
- In case of fire and/or explosion do not breathe fumes.

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

For non-emergency personnel - Remove all sources of ignition.
- Provide adequate ventilation.
- Avoid breathing dust/fume/gas/mist/vapours/spray.
- Avoid contact with skin, eyes and clothes.

For emergency responders - Wear personal protection equipment (refer to section 8).

6.2 - Environmental precautions

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

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 (e.g. sand, diatomaceous earth, acid- or universal binding agents).
- Treat the recovered material as prescribed in the section on waste disposal.
- Ventilate affected area.

Inappropriate techniques - 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

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7.1 - Precautions for safe handling

<u>Recommendation</u>	- Do not breathe gas/fumes/vapour/spray. - Do not pierce or burn, even after use. - Do not spray on naked flames or any incandescent material. - Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. - Keep away from sources of ignition - No smoking. - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. - Provide adequate ventilation as well as local exhaust at critical locations. - Take precautionary measures against static discharges. - Use only outdoors or in a well-ventilated area.
<u>Advices on general occupational hygiene</u>	- Avoid contact with skin, eyes and clothes. - 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

- Do not store together with: Combustible substance
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Keep away from sources of ignition - No smoking.
- Keep container tightly closed and in a well-ventilated place.
- Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.
- TRGS 510
- Storage class : Aerosol dispensers and lighters

7.3 - Specific end use(s)

- Aerosols

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

butane (106-97-8)	
TWA EH40 ppm (UK)	600 ppm
TWA EH40 mg/m ³ (UK)	1450 mg/m ³
STEL EH40 ppm (UK)	750 ppm
STEL EH40 mg/m ³ (UK)	1810 mg/m ³
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

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

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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	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 soil	28 mg/kg		
PNEC Secondary Poisoning	160 mg/kg		
PNEC sewage treatment plant (STP)	2251 mg/l		

propane (74-98-6)

Type	Value	User	Effect
DNEL short-term oral (acute)	0.464 mg/kg	Consumers	Systemic
DNEL long-term inhalative	2.21 mg/m ³	Workers	Systemic
DNEL long-term inhalative	0.265 mg/m ³	Consumers	Systemic

citral (5392-40-5)

Type	Value	User	Effect
DNEL long-term oral (repeated)	0.6 mg/kg bw/day	Consumers	Systemic
DNEL long-term inhalative	9 mg/m ³	Workers	Systemic
DNEL long-term inhalative	2.7 mg/m ³	Consumers	Systemic
DNEL long-term dermal	1.7 mg/kg bw/day	Workers	Systemic
DNEL long-term dermal	0.14 mg/kg bw/day	Workers	Local
DNEL long-term dermal	1 mg/kg bw/day	Consumers	Systemic
DNEL long-term dermal	0.14 mg/kg bw/day	Consumers	Local
PNEC aquatic, freshwater	0.007 mg/l		
PNEC aquatic, marine water	0.001 mg/l		
PNEC sediment, freshwater	0.125 mg/kg		
PNEC sediment, marine water	0.013 mg/kg		
PNEC soil	0.021 mg/kg		
PNEC sewage treatment plant (STP)	1.6 mg/l		

8.2 - Exposure controls

Appropriate engineering controls

- 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

- Additional eye protection measures: In case of increased risk, additionally

- Eye glasses with side protection
- DIN EN 166
- 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.
- Wear anti-static footwear and clothing
- In case of prolonged or frequently repeated skin contact:
- Protective gloves according to EN374

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- Suitable material: NBR (Nitrile rubber)
- Thickness of the glove material: 0,7 mm
- Breakthrough time: > 480 min.
- 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.

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>gaseous</u>	<u>Appearance</u>	<u>Aerosol</u>
<u>Colour</u>	White	<u>Odour</u>	characteristic
Odour threshold		No data available	
pH		8 <= V <= 11	
Melting point		No data available	
Freezing point		No data available	
Boiling point		No data available	
Flash point		No data available	
Evaporation rate		No data available	
flammability		Extremely flammable aerosol.	
Lower explosion limit		No data available	
Upper explosion limit		No data available	
Vapour pressure		No data available	
Vapour density		No data available	
Relative density		No data available	
Density		No data available	
Solubility (Water)		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		No data available	
Decomposition temperature		No data available	
Kinematic viscosity		No data available	
Dynamic viscosity		No data available	
<u>Particle characteristics</u>			
Particle size		No data available	
Dustiness		No data available	

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Specific surface area	No data available
Shape	No data available

9.2 - Other information

VOC content	No data available
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

- 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

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

10.4 - Conditions to avoid

- Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
- Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.
- Keep away from sources of ignition - No smoking.

10.5 - Incompatible materials

- Acid
- Alkaline earth metal
- Oxidising agent, strong

10.6 - Hazardous decomposition products

- May form hazardous decomposition products when exposed to high temperatures.

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

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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
citral (5392-40-5)	
LD50 oral (rat)	6800 mg/kg
LD50 dermal (rat)	2000 mg/kg

Skin corrosion/irritation - Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation - Based on available data, the classification criteria are not met.

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

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

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

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
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 Daphnia magna OECD 202
LC50 96 hr fish	9640 mg/l OECD 203

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ErC50 algae	> 100 mg/l Scenedesmus subspicatus
NOEC chronic fish	> 1000 mg/l Danio rerio
NOEC chronic crustacea	> 1000 mg/l
NOEC chronic algae	1800 mg/l
citral (5392-40-5)	
EC50 48 hr crustacea	6.8 mg/l
LC50 96 hr fish	6.78 mg/l
ErC50 algae	103.84 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

Substances

propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)	
% of biodegradation in 28 days	95 %

12.3 - Bioaccumulative potential

Mixture

Bioconcentration factor (BCF)	No data available
Log KOC	No data available

Substances

butane (106-97-8)	
Log KOC	1.09 < V < 2.89
propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)	
Bioconcentration factor (BCF)	0.994
Log KOC	0.05
propane (74-98-6)	
Log KOC	2.36
citral (5392-40-5)	
Bioconcentration factor (BCF)	89.72 L/kg
Log KOC	2.76

12.4 - Mobility in soil

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.

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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. - Completely emptied packages can be recycled. - Handle contaminated packages in the same way as the substance itself. - Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. - The product must not be disposed of with municipal waste.
<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>	- Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.
<u>Waste codes / waste designations according to Regulation 2014/955/UE</u>	15 01 11* - metallic packaging containing a hazardous solid porous matrix (for example asbestos), including empty pressure containers 16 05 04* - gases in pressure containers (including halons) containing hazardous substances

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>	:	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)

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

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

Pictograms



Transport hazard class(es) (IATA) : 2

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>	:	
<u>ADR Special packing provisions</u>	:	
<u>ADR Mixed packing provisions</u>	:	
<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>	:	
<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>	:	See SP277
<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>	:	

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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>	:	
<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

Substances REACH candidates None

Substances Annex XIV None

Substances Annex XVII None

VOC content No data available

- – 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);
- – COUNCIL DIRECTIVE of 20 May 1975 on the approximation of the laws of the Member States relating to aerosol dispensers (75/324/EEC) (OJ L 147, 9.6.1975, p. 40)
- – 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).
- 850/2004/EC, 79/117/EEC, 689/2008/EC , 2008/47/EC
- Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]

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- Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work
- Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).
- Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.
- Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]
- P3a Flammable aerosols

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

Contains:

- less than 5%: nonionic surfactants
- 15% or more but less than 30%: aliphatic hydrocarbons
- perfumes

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	26/02/2025		

Indication of changes: Section: 1, 2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16.

Abbreviations and acronyms

- ACGIH – Association advancing occupational and environmental health.
- 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.
- ADR: The Agreement concerning the International Carriage of Dangerous Goods by Road
- ATE: Acute Toxicity Estimate.
- CAS – Chemical Abstracts Service number.
- CAS No.: Chemical Abstracts Service number.
- CEN – European Committee for Standardisation.
- DNEL: Derived no-effect level.
- EC No: European Community number
- EC50 – Effective concentration to 50% of a test population (half maximal effective concentration).
- EC50: Effective concentration of the substance that causes adverse effects in 50% of test animals.
- IATA: International Air Transport Association.
- IC50 – Inhibitory concentration to 50% of a test population (half maximal inhibitory concentration).
- ICAO: International Civil Aviation Organization
- IMDG – International Maritime Dangerous Goods.
- IMDG: International Maritime Dangerous Goods.
- IMO – International Maritime Organization.

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- LC50 – Lethal Concentration to 50 % of a test population.
- LC50: Lethal Concentration to 50 % of a test animals.
- LD50 – Lethal Dose to 50% of a test population (Median Lethal Dose).
- LD50: Lethal Dose to 50% of a test animals.
- LOEC: Lowest Observed Effect Concentration.
- LOEL: Lowest Observed Adverse Effect Level.
- MSDS – Material Safety Data Sheet.
- NIOSH – National Institute of Occupational Safety and Health.
- NOEC – No effect concentration.
- NOEC: No Observed Effect Concentration.
- NOEL: No observable effect level.
- OEL: Occupational exposure limit.
- PBT – Persistent, Bioaccumulative and Toxic substance.
- PBT: Persistent, Bioaccumulative and Toxic.
- PNEC(s) – Predicted No Effect Concentration(s).
- PNEC: Predicted no-effect concentration.
- RID – Regulations concerning the International Carriage of Dangerous Goods by Rail.
- RID: International Carriage of Dangerous Goods by Rail.
- STEL: Short-term exposure limit
- STOT – Specific Target Organ Toxicity.
- TWA: Time weighted average
- VOC: Volatile Organic Compounds
- vPvB – Very Persistent and Very Bioaccumulative.
- 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
Eye Irrit. 2	Eye irritation - Category 2
Flam. Gas 1	Flammable gas. - Category 1
Flam. Liq. 2	Flammable liquid and vapour. - Category 2
H220	Extremely flammable gas.
H222	Extremely flammable aerosol
H225	Highly flammable liquid and vapour.
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.
Press. Gas	Gases under pressure
Skin Irrit. 2	Irritation, Category 2
Skin Sens. 1	Skin sensitization - Category 1
STOT SE 3	STOT-single exposure - Category 3 (H336)

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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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