

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

Product name : FC-90
UFI : QT70-C9MJ-300H-C04D
Product code : UDS000944AE
Type of product : Detergent
Vaporizer : Aerosol

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

Use of the substance/mixture : Cleaners - Heavy duty

1.4. Emergency telephone number

Emergency number : +44 1278 727200
Office hours: 9-17h CET

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Aerosol, Category 1 H222;H229
Serious eye damage/eye irritation, Category 2 H319
Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

Pressurised container: May burst if heated. Extremely flammable aerosol. Causes serious eye irritation.

2.2. Label elements**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard pictograms (CLP) :



GHS02

GHS07

Signal word (CLP) :

: Danger

Hazard statements (CLP) :

: H222 - Extremely flammable aerosol.
H229 - Pressurised container: May burst if heated.
H319 - Causes serious eye irritation.

Precautionary statements (CLP) :

: 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.

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P280 - Wear protective gloves/eye protection.

P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

EUH-statements

: EUH208 - Contains benzyl alcohol (100-51-6). May produce an allergic reaction.

2.3. Other hazards

Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Petroleum gases, liquefied; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C3 through C7 and boiling in the range of approximately- 40°C to 80°C (- 40°F to 176°F).] (Propellant gas (Aerosol)) substance with national workplace exposure limit(s) (BE)	CAS-No.: 68476-85-7 EC-No.: 270-704-2 EC Index-No.: 649-202-00-6	5 – 10	Flam. Gas 1, H220 Press. Gas (Comp.), H280
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics	EC-No.: 926-141-6 REACH-no: 01-2119456620-43	1 – 5	Asp. Tox. 1, H304 EUH066
propan-2-ol; isopropyl alcohol; isopropanol substance with national workplace exposure limit(s) (BE)	CAS-No.: 67-63-0 EC-No.: 200-661-7 EC Index-No.: 603-117-00-0 REACH-no: 01-2119457558-25	1 – 5	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
1-methoxy-2-propanol; monopropylene glycol methyl ether substance with national workplace exposure limit(s) (BE); substance with a Community workplace exposure limit	CAS-No.: 107-98-2 EC-No.: 203-539-1 EC Index-No.: 603-064-00-3 REACH-no: 01-2119457435-35	1 – 5	Flam. Liq. 3, H226 STOT SE 3, H336
Sodium N-lauroylsarcosinate	CAS-No.: 137-16-6 EC-No.: 205-281-5 REACH-no: 01-2119527780-39 CAS-No.: 64-17-5	1 - <3	Acute Tox. 1 (Inhalation), H330 (ATE=0,005 mg/l/4h) Skin Irrit. 2, H315 Eye Dam. 1, H318 Flam. Liq. 2, H225
ethanol; ethyl alcohol substance with national workplace exposure limit(s) (BE)	EC-No.: 200-578-6 EC Index-No.: 603-002-00-5 REACH-no: 01-2119457610-43 CAS-No.: 100-51-6	< 1	Eye Irrit. 2, H319
benzyl alcohol	EC-No.: 202-859-9 EC Index-No.: 603-057-00-5 REACH-no: 01-2119492630-38	< 1	Acute Tox. 4 (Oral), H302 (ATE=1200 mg/kg bodyweight) Acute Tox. 4 (Inhalation:dust,mist), H332 (ATE=4,178 mg/l/4h) Eye Irrit. 2, H319 Skin Sens. 1B, H317

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Specific concentration limits:		
Name	Product identifier	Specific concentration limits (%)
Sodium N-lauroylsarcosinate	CAS-No.: 137-16-6 EC-No.: 205-281-5 REACH-no: 01-2119527780-39	(0 ≤ C < 34,5) Acute Tox. 4 (Inhalation); H332 (1 ≤ C < 30) Eye Irrit. 2; H319 (30 ≤ C < 100) Eye Dam. 1; H318 (30 ≤ C < 100) Skin Irrit. 2; H315 (34,5 < C ≤ 100) Acute Tox. 2 (Inhalation:gas); H330 (50 ≤ C < 100) Eye Irrit. 2; H319
ethanol; ethyl alcohol	CAS-No.: 64-17-5 EC-No.: 200-578-6 EC Index-No.: 603-002-00-5 REACH-no: 01-2119457610-43	

Product subject to CLP Annex I, item 1.1.3.7. The disclosure rules of the components is modified in this case.

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

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. If signs/symptoms develop, get medical attention.
First-aid measures after skin contact	: Wash skin with plenty of water. Seek medical attention if irritation develops.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Seek medical attention if irritation develops.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects after inhalation	: None under normal conditions.
Symptoms/effects after eye contact	: Eye irritation.

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

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Extremely flammable aerosol.
Explosion hazard	: Pressurised container: May burst if heated.
Hazardous decomposition products in case of fire	: During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

Firefighting instructions	: Move containers from fire area if it can be done without personal risk. Use standard firefighting procedures and consider the hazards of other involved materials.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Protective equipment : Wear appropriate protective equipment and clothing during clean-up.
Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes.

For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures : Evacuate unnecessary personnel. Ventilate area.

6.2. Environmental precautions

Avoid release to the environment. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Mechanically recover the product. For large spills, confine the spill in a dike and charge it with wet sand or earth for subsequent safe disposal. Following product recovery, flush area with water. Take up small spills with dry chemical absorbent. Clean surface thoroughly to remove residual contamination.
Additional Regulatory Information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For disposal of contaminated materials refer to section 13 : "Disposal considerations".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid prolonged exposure. Handle in accordance with good industrial hygiene and safety procedures.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store in a well-ventilated place. Keep cool. Keep container closed when not in use.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure and biological limit values

Petroleum gases, liquefied; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C3 through C7 and boiling in the range of approximately– 40°C to 80°C (– 40°F to 176°F).] (68476-85-7)

Belgium - Occupational Exposure Limits

Local name

Pétrole (gaz liquéfié) # LPG

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Petroleum gases, liquefied; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C3 through C7 and boiling in the range of approximately – 40°C to 80°C (– 40°F to 176°F).] (68476-85-7)	
OEEL TWA	1826 mg/m ³ 1000 ppm
Remark	C: la mention "C" signifie que l'agent en question relève du champ d'application du titre 2 relatif aux agents cancérigènes, mutagènes et reprotoïques du livre VI du code de bien-être au travail. # C: de vermelding "C" betekent dat het betrokken agens valt onder het toepassingsgebied van titel 2 betreffende kankerverwekkende, mutagene en reprotoxische agentia van boek VI van de codex over het welzijn op het werk.
Regulatory reference	Koninklijk besluit/Arrêté royal 16/11/2023
ethanol; ethyl alcohol (64-17-5)	
Belgium - Occupational Exposure Limits	
Local name	Alcool éthylique # Ethanol
OEEL TWA	1907 mg/m ³ 1000 ppm
Regulatory reference	Koninklijk besluit/Arrêté royal 16/11/2023
propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)	
Belgium - Occupational Exposure Limits	
Local name	Alcool isopropylique # Isopropylalcohol
OEEL TWA	500 mg/m ³ 200 ppm
OEEL STEL	1000 mg/m ³ 400 ppm
Regulatory reference	Koninklijk besluit/Arrêté royal 16/11/2023
1-methoxy-2-propanol; monopropylene glycol methyl ether (107-98-2)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	1-Methoxypropanol-2
IOEL TWA	375 mg/m ³ 100 ppm
IOEL STEL	568 mg/m ³ 150 ppm
Remark	Skin
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
Belgium - Occupational Exposure Limits	
Local name	1-Méthoxy-2-propanol # 1-Methoxy-2-propanol
OEEL TWA	184 mg/m ³ 50 ppm
OEEL STEL	369 mg/m ³ 100 ppm

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

Remark	D: la mention "D" signifie que la r�sorption de l'agent, via la peau, les muqueuses ou les yeux, constitue une partie importante de l'exposition totale. Cette r�sorption peut se faire tant par contact direct que par pr�sence de l'agent dans l'air. # D: de vermelding "D" betekent dat de opname van het agens via de huid, de slijmvliezen of de ogen een belangrijk deel van de totale blootstelling vormt. Deze opname kan het gevolg zijn van zowel direct contact als zijn aanwezigheid in de lucht.
Regulatory reference	Koninklijk besluit/Arr�t� royal 16/11/2023

DNEL and PNEC

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts (68411-30-3)

DNEL/DMEL (Workers)

Long-term - systemic effects, dermal	
Long-term - systemic effects, inhalation	119 mg/kg bodyweight/day

DNEL/DMEL (General population) 7,6 mg/m³

Long-term - systemic effects, oral	
Long-term - systemic effects, inhalation	0,425 mg/kg bodyweight/day

Long-term - systemic effects, dermal 1,3 mg/m³

PNEC (Water) 42,5 mg/kg bodyweight/day

PNEC aqua (freshwater)

PNEC aqua (marine water) 0,268 mg/l

PNEC aqua (intermittent, freshwater) 0,0268 mg/l

PNEC (Sediment) 0,0167 mg/l

PNEC sediment (freshwater)

PNEC sediment (marine water)

PNEC (Soil) 8,1 mg/kg dwt

PNEC soil

PNEC (STP) 6,8 mg/kg dwt

PNEC sewage treatment plant

35 mg/kg dwt

3,43 mg/l

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

DNEL/DMEL (Workers)

Long-term - systemic effects, dermal	
Long-term - systemic effects, inhalation	888 mg/kg bodyweight/day

DNEL/DMEL (General population) 500 mg/m³

Long-term - systemic effects, oral	
Long-term - systemic effects, inhalation	26 mg/kg bodyweight/day

Long-term - systemic effects, dermal 89 mg/m³

PNEC (Water) 319 mg/kg bodyweight/day

PNEC aqua (freshwater)

PNEC aqua (marine water) 140,9 mg/l

PNEC aqua (intermittent, freshwater) 140,9 mg/l

140,9 mg/l

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propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)	
PNEC (Sediment)	
PNEC sediment (freshwater)	
PNEC sediment (marine water)	552 mg/kg dwt
PNEC (Soil)	
PNEC soil	552 mg/kg dwt
PNEC (Oral)	
PNEC oral (secondary poisoning)	28 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	
	160 mg/kg food
	2251 mg/l
1-methoxy-2-propanol; monopropylene glycol methyl ether (107-98-2)	
DNEL/DMEL (Workers)	
Acute - systemic effects, inhalation	
Acute - local effects, inhalation	553,5 mg/m ³ 553,5 mg/m ³
Long-term - systemic effects, dermal	183 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	369 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	
Long-term - systemic effects, inhalation	33 mg/kg bodyweight/day
Long-term - systemic effects, dermal	43,9 mg/m ³
PNEC (Water)	
PNEC aqua (freshwater)	78 mg/kg bodyweight/day
PNEC aqua (marine water)	
PNEC aqua (intermittent, freshwater)	10 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	1 mg/l
PNEC sediment (marine water)	100 mg/l
PNEC (Soil)	
PNEC soil	52,3 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	5,2 mg/kg dwt
	4,59 mg/kg dwt
	100 mg/l
Sodium N-lauroylsarcosinate (137-16-6)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	
Long-term - systemic effects, inhalation	20 mg/kg bodyweight/day
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	70,53 mg/m ³
Long-term - systemic effects, inhalation	10 mg/kg bodyweight/day
Long-term - systemic effects, dermal	17,39 mg/m ³
	10 mg/kg bodyweight/day

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Sodium N-lauroylsarcosinate (137-16-6)	
PNEC (Water)	
PNEC aqua (freshwater)	0,00891 mg/l
PNEC aqua (marine water)	0,000891 mg/l
PNEC aqua (intermittent, freshwater)	0,0891 mg/l
PNEC aqua (intermittent, marine water)	0,00891 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	
PNEC sediment (marine water)	0,0642 mg/kg dwt
PNEC (Soil)	
PNEC soil	0,0064 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	0,0076 mg/kg dwt
	3 mg/l

8.2. Exposure controls

Appropriate engineering controls

Appropriate engineering controls:

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Personal protection equipment

Personal protective equipment symbol(s):



Eye and face protection

Eye protection:

Use eye protection according to EN 166. Safety glasses with side shields.

Skin protection

Skin and body protection:

Wear suitable protective clothing. Antistatic clothing including shoes are recommended

Hand protection:

Wear suitable gloves tested to EN 374. The breakthrough time of the glove should be longer than the total duration of product use. If work lasts longer than the breakthrough time, gloves should be changed part-way through. Nitrile gloves are recommended. Layer thickness : > 0,10 mm.

Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Approved organic vapour respirator. ABEK

Thermal hazards

Thermal hazard protection:

Not expected to present a significant hazard under anticipated conditions of normal use. Wear appropriate thermal protective clothing, when necessary.

Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid	: Colourless.	: Propane/butane
Colour	propelled liquid.	: Characteristic.	: Not
Appearance	available	: No data available	: Not available
Odour	82 °C	: Extremely flammable aerosol.	:
Odour threshold	Pressurised container: May burst if heated.	:	:
Melting point	0,6 vol %	: 15 vol %	: 12 °C
Freezing point	: 225 °C	: Not	:
Boiling point	available	: 10,75	: Not available
Flammability	: soluble in	water.	: Not applicable
Explosive properties	: Not available	: Not available	: Not
Lower explosion limit	available	: 0,962 g/cm ³ at 20 °C	: 0,962 at 20
Upper explosion limit	°C	: Not available	: Not applicable
Flash point	:	:	:
Auto-ignition temperature	:	:	:
Decomposition temperature	:	:	:
pH	:	:	:
Viscosity, kinematic	:	:	:
Solubility	:	:	:
Partition coefficient n-octanol/water (Log Kow)	:	:	:
Vapour pressure	:	:	:
Vapour pressure at 50°C	:	:	:
Density	:	:	:
Relative density	:	:	:
Relative vapour density at 20°C	:	:	:
Particle characteristics	:	:	:

9.2. Additional Regulatory Information

Information with regard to physical hazard classes

% of flammable ingredients : 10 – 25 %

Other safety characteristics

VOC content : 150 g/l

Additional information : For aerosols data for the product without propellant.

SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Carbon oxides (CO, CO₂).

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SECTION 11: Toxicological information

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

Acute toxicity (oral)

Acute toxicity (dermal)

Acute toxicity (inhalation)

: Not classified (Based on available data, the classification criteria are not met) : Not classified (Based on available data, the classification criteria are not met) : Inhalation: dust, mist: Not classified (Based on available data, the classification criteria are not met).

ethanol; ethyl alcohol (64-17-5)

LD50 oral rat	LD50 dermal LC50	15010 mg/kg bodyweight
Inhalation - Rat (Vapours)		15800 mg/kg bodyweight
		> 116,9 mg/l/4h

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics

LD50 oral	> 5000 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg bodyweight
LC50 Inhalation - Rat (Dust/Mist)	> 4950 mg/l

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

LD50 oral rat	5840 mg/kg bodyweight
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1-methoxy-2-propanol; monopropylene glycol methyl ether (107-98-2)

LD50 oral rat	4016 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 Inhalation - Rat	> 25,8 mg/l

Sodium N-lauroylsarcosinate (137-16-6)

LD50 oral rat	> 5000 mg/kg bodyweight
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benzyl alcohol (100-51-6)

LD50 oral	1200 mg/kg bodyweight
LD50 dermal rabbit	> 2000 mg/kg bodyweight
LC50 Inhalation - Rat (Dust/Mist)	> 4,178 mg/l/4h

Skin corrosion/irritation

: Not classified (Based on available data, the classification criteria are not met)
pH: 10,75

Petroleum gases, liquefied; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C3 through C7 and boiling in the range of approximately - 40°C to 80°C (- 40°F to 176°F).] (68476-85-7)

Skin corrosion/irritation	Not classified (Based on available data, the classification criteria are not met)
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ethanol; ethyl alcohol (64-17-5)

Skin corrosion/irritation	Not classified (Based on available data, the classification criteria are not met)
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Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Skin corrosion/irritation	Not classified (Based on available data, the classification criteria are not met)
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propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)

Skin corrosion/irritation	Not classified (Based on available data, the classification criteria are not met)
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1-methoxy-2-propanol; monopropylene glycol methyl ether (107-98-2)

Skin corrosion/irritation	Not classified (Based on available data, the classification criteria are not met)
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Sodium N-lauroylsarcosinate (137-16-6)	
Skin corrosion/irritation	Causes skin irritation.
benzyl alcohol (100-51-6)	
Skin corrosion/irritation	Not classified (Based on available data, the classification criteria are not met)
Serious eye damage/irritation	: Causes serious eye irritation. pH: 10,75
Petroleum gases, liquefied; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C3 through C7 and boiling in the range of approximately – 40°C to 80°C (– 40°F to 176°F).] (68476-85-7)	
Serious eye damage/irritation	Not classified (Based on available data, the classification criteria are not met)
ethanol; ethyl alcohol (64-17-5)	
Serious eye damage/irritation	Causes serious eye irritation.
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics	
Serious eye damage/irritation	Not classified (Based on available data, the classification criteria are not met)
propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)	
Serious eye damage/irritation	Causes serious eye irritation.
1-methoxy-2-propanol; monopropylene glycol methyl ether (107-98-2)	
Serious eye damage/irritation	Not classified (Based on available data, the classification criteria are not met)
Sodium N-lauroylsarcosinate (137-16-6)	
Serious eye damage/irritation	Causes serious eye damage.
benzyl alcohol (100-51-6)	
Serious eye damage/irritation	Causes serious eye irritation.
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)	
STOT-single exposure	May cause drowsiness or dizziness.
1-methoxy-2-propanol; monopropylene glycol methyl ether (107-98-2)	
STOT-single exposure	May cause drowsiness or dizziness.
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
ethanol; ethyl alcohol (64-17-5)	
NOAEL (subchronic, oral, animal/female, 90 days)	> 9400 mg/kg bodyweight
1-methoxy-2-propanol; monopropylene glycol methyl ether (107-98-2)	
LOAEL (oral, rat, 90 days)	2757 mg/kg bodyweight
NOAEL (oral, rat, 90 days)	919 mg/kg bodyweight
NOAEL (dermal, rat/rabbit, 90 days)	> 1000 mg/kg bodyweight
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)
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Vaporizer	Aerosol

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11.2. Information on other hazards

Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties

: The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute) : Not classified (Based on available data, the classification criteria are not met)

Hazardous to the aquatic environment, long-term (chronic) : Not classified (Based on available data, the classification criteria are not met)

ethanol; ethyl alcohol (64-17-5)

LC50 - Fish [1]	14,2 g/l
EC50 - Other aquatic organisms [1]	5012 mg/l
ErC50 algae	275 mg/l
NOEC (chronic)	9,6 mg/l

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics

LC50 - Fish [1] EC50 - Other aquatic organisms [1] EC50 - Other aquatic organisms [2]	> 1000 mg/l > 1000 mg/l waterflea > 1000 mg/l
---	---

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

LC50 - Fish [1]	10000 mg/l
LC50 - Fish [2]	9640 mg/l

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

LC50 - Fish [1] LC50 - Fish [2] EC50 - Crustacea [1] EC50 - Other aquatic organisms [1] ErC50 algae	6812 mg/l 20800 mg/l 21100 – 25900 mg/l 2954 mg/l > 1000 mg/l
---	---

Sodium N-lauroylsarcosinate (137-16-6)

LC50 - Fish [1] EC50 - Crustacea [1] EC50 72h - Algae [1]	107 mg/l Danio rerio 29,7 mg/l Test organisms (species): Daphnia magna 79 mg/l Desmodesmus subspicatus
---	--

benzyl alcohol (100-51-6)

LC50 - Fish [1] EC50 - Crustacea [1] EC50 72h - Algae [1]	460 mg/l Pimephales promelas 230 mg/l Daphnia magna 770 mg/l Raphidocelis subcapitata
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benzyl alcohol (100-51-6)	
NOEC chronic fish	48,897 mg/l 30 d

12.2. Persistence and degradability

FC-90	
Persistence and degradability	Not established. No data is available on the degradability of this product.

12.3. Bioaccumulative potential

FC-90	
Partition coefficient n-octanol/water (Log Kow)	Not applicable
Petroleum gases, liquefied; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C3 through C7 and boiling in the range of approximately– 40°C to 80°C (– 40°F to 176°F).] (68476-85-7)	
Partition coefficient n-octanol/water (Log Pow)	2,3
ethanol; ethyl alcohol (64-17-5)	
Partition coefficient n-octanol/water (Log Pow)	-0,32
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics	
Partition coefficient n-octanol/water (Log Pow)	> 3
1-methoxy-2-propanol; monopropylene glycol methyl ether (107-98-2)	
Bioconcentration factor (BCF REACH)	< 100
Partition coefficient n-octanol/water (Log Pow)	0,37
Sodium N-lauroylsarcosinate (137-16-6)	
Partition coefficient n-octanol/water (Log Pow)	4,1
benzyl alcohol (100-51-6)	
Partition coefficient n-octanol/water (Log Pow)	1,1

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

FC-90	
Results of PBT assessment	Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties

: The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %.

12.7. Other adverse effects

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Additional Regulatory Information	No other effects known

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Global warming potential (GWP)

0.30 (Fluorinated greenhouse gases - (EC) No 2024/573)

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods






: Dispose of contents/container in accordance with licensed collector's sorting instructions.

European List of Waste (LoW, EC 2000/532)

: According to the European Waste Catalogue (EWC), Waste Codes are not product specific, but application specific Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
UN 1950	UN 1950	UN 1950	UN 1950	UN 1950
14.2. UN proper shipping name				
AEROSOLS	AEROSOLS	Aerosols, flammable	AEROSOLS	AEROSOLS
Transport document description				
UN 1950 AEROSOLS, 2.1, (D)	UN 1950 AEROSOLS, 2.1	UN 1950 Aerosols, flammable, 2.1	UN 1950 AEROSOLS, 2.1	UN 1950 AEROSOLS, 2.1
14.3. Transport hazard class(es)				
2.1	2.1	2.1	2.1	2.1
				
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No EmS-No. (Fire): F-D EmS-No. (Spillage): S-U	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No
No supplementary information available				

14.6. Special precautions for user

Overland transport

Classification code (ADR) : 5F
Special provisions (ADR) : 190, 327, 344, 625
Limited quantities (ADR) : 1I
Excepted quantities (ADR) : E0
Packing instructions (ADR) : P207, LP200
Special packing provisions (ADR) : PP87, RR6, L2
Mixed packing provisions (ADR) : MP9
Transport category (ADR) : 2
Special provisions for carriage - Packages (ADR) : V14

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Special provisions for carriage - Loading, unloading and handling (ADR) : CV9, CV12
Special provisions for carriage - Operation (ADR) : S2
Tunnel restriction code (ADR) : D

Transport by sea

Special provisions (IMDG) : 63, 190, 277, 327, 344, 381, 959
Limited quantities (IMDG) : SP277
Excepted quantities (IMDG) : E0
Packing instructions (IMDG) : P207, LP200
Special packing provisions (IMDG) : PP87, L2
Stowage category (IMDG) : None
Stowage and handling (IMDG) : SW1, SW22
Segregation (IMDG) : SG69

Air transport

PCA Excepted quantities (IATA) : E0
PCA Limited quantities (IATA) : Y203
PCA limited quantity max net quantity (IATA) : 30kgG
PCA packing instructions (IATA) : 203
PCA max net quantity (IATA) : 75kg
CAO packing instructions (IATA) : 203
CAO max net quantity (IATA) : 150kg
Special provisions (IATA) : A145, A167, A802
ERG code (IATA) : 10L

Inland waterway transport

Classification code (ADN) : 5F
Special provisions (ADN) : 190, 327, 344, 625
Limited quantities (ADN) : 1 L
Excepted quantities (ADN) : E0
Equipment required (ADN) : PP, EX, A
Ventilation (ADN) : VE01, VE04
Number of blue cones/lights (ADN) : 1

Rail transport

Classification code (RID) : 5F : 190, 327, 344,
625 : 1L : E0 : P207,
Special provisions (RID) LP200 : PP87, RR6,
Limited quantities (RID) L2 : MP9 : 2 : W14 :
Excepted quantities (RID) CW9, CW12
Packing instructions (RID)
Special packing provisions (RID)
Mixed packing provisions (RID)
Transport category (RID)
Special provisions for carriage – Packages (RID)
Special provisions for carriage - Loading, unloading and handling (RID)
Colis express (express parcels) (RID) : CE2
Hazard identification number (RID) : 23

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

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REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

VOC Directive (2004/42)

VOC content : 150 g/l

Detergent Regulation (EC 648/2004)

Labelling of contents	
Component	%
aliphatic hydrocarbons	5-15%
anionic surfactants	<5%
perfumes	
BENZYL ALCOHOL	

Fragrance allergens > 0.01%:

BENZYL ALCOHOL

Seveso Directive (Disaster Risk Reduction)

Seveso Additional information

: FLAMMABLE AEROSOLS

'Flammable' aerosols Category 1 or 2, containing flammable gases Category 1 or 2 or flammable liquids Category 1

Explosives Precursors Regulation (EU 2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (EC 273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes		
Section	Changed item	Comments
2.2 8.2	Precautionary statements (CLP)	Modified
8.2	Skin and body protection	Modified
	Hand protection	Modified Thickness
15	Seveso Additional information	Added

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Indication of changes		
Section	Changed item	Comments
16	Data sources	Added

Abbreviations and acronyms:	
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
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disruptor

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Data sources

: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Full text of H- and EUH-statements:	
Acute Tox. 1 (Inhalation)	Acute toxicity (inhal.), Category 1
Acute Tox. 2 (Inhalation:gas)	Acute toxicity (inhalation:gas) Category 2
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aerosol 1	Acute toxicity (oral), Category 4 Aerosol, Category 1 Aspiration hazard, Category 1 Serious eye damage/eye irritation, Category 1 Serious eye damage/eye irritation, Category 2 Flammable gases, Category 1
Asp. Tox. 1	Flammable liquids, Category 2 Flammable liquids, Category 3 Gases under pressure : Compressed gas Skin corrosion/irritation, Category 2
Eye Dam. 1	Skin sensitisation, category 1B Specific target organ toxicity – Single exposure, Category 3, Narcosis Extremely flammable gas. Extremely flammable aerosol. Highly flammable liquid and vapour. Flammable liquid and vapour. Pressurised container: May burst if heated. Contains gas under pressure; may explode if heated. Harmful if swallowed. May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. Causes serious eye irritation. Fatal if inhaled. Harmful if inhaled. May cause drowsiness or dizziness. Repeated exposure may cause skin dryness or cracking. Contains benzyl alcohol (100-51-6). May produce an allergic reaction.
Eye Irrit. 2	
Flam. Gas 1	
Flam. Liq. 2	
Flam. Liq. 3	
Press. Gas (Comp.)	
Skin Irrit. 2	
Skin Sens. 1B	
STOT SE 3	
H220	
H222	
H225	
H226	
H229	
H280	
H302	
H304	
H315	
H317	
H318	
H319	
H330	
H332	
H336	
EUH066	
EUH208	

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Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Aerosol 1	H222;H229	On basis of test data
Eye Irrit. 2	H319	Calculation method

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. Apart from any fair dealing for purposes of study, research and review of health, safety and environmental risks, no part of these documents may be reproduced by any process without written permission from CRC. The products are governed by Regulation (EC) No 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP); Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (in each case, as amended and replaced) and other applicable laws. It is an importers or downstream users responsibility to ensure compliance of product they import. An SDS provided in the official language(s) of a country is not a guarantee of compliance in that country.