

Air Fresh med. 75ml

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SDS Ref.: ME; MCC

Issue date: 2/10/2016 Revision date: 6/2/2020 Supersedes: 2/10/2016 Version: 1.1

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

1.1. Product identifier

Product form : Mixture
Product name : Air Fresh med. 75ml
Product code : 02.08000.06.1-008 / 02.08000.28.1-001
Type of product : Detergent
Vaporizer : Aerosol
Product group : Trade product

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

1.2.1. Relevant identified uses

Intended for general public
Main use category : Consumer use
Industrial/Professional use spec : Industrial/Professional use spec
Function or use category : Cleaning/washing agents and additives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer

Alfred Becht GmbH
Carl-Zeiss-Strasse 16
D-77601 Offenburg - Deutschland
T +49 781 60586-11
wiss@becht-online.de - www.becht-online.de

1.4. Emergency telephone number

Country	Official advisory body	Address	Emergency number	Comment
Germany	Zentrum für Kinder- und Jugendmedizin Vergiftungs-Informations-Zentrale	Mathildenstraße 1 79106 Freiburg	+49 761 19240	
Switzerland	Tox Info Suisse	Freiestrasse 16 8032 Zürich	145	(from abroad: +41 44 251 51 51) non urgent inquiry: +41 44 251 66 66

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
Specific target organ toxicity — Single exposure, Category 3, Narcosis H336
Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412
Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

Pressurised container: May burst if heated. Extremely flammable aerosol. May cause drowsiness or dizziness. Causes serious eye irritation. Harmful to aquatic life with long lasting effects.

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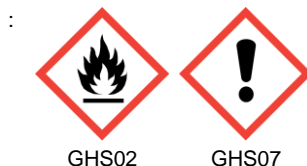
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2.2. Label elements

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

Hazard pictograms (CLP)



Signal word (CLP)

Hazardous ingredients

Hazard statements (CLP)

Precautionary statements (CLP)

EUH-statements

- : Danger
- : propan-2-ol; isopropyl alcohol; isopropanol
- : H222 - Extremely flammable aerosol.
H229 - Pressurised container: May burst if heated.
H319 - Causes serious eye irritation.
H336 - May cause drowsiness or dizziness.
H412 - Harmful to aquatic life with long lasting effects.
- : P102 - Keep out of reach of children.
P210 - Keep away from sparks, hot surfaces, heat, open flames. No smoking.
P211 - Do not spray on an open flame or other ignition source.
P251 - Do not pierce or burn, even after use.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501 - Dispose of contents/container to Collection point.
- : EUH208 - Contains LIMONENE, citral. May produce an allergic reaction.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
propan-2-ol; isopropyl alcohol; isopropanol	(CAS-No.) 67-63-0 (EC-No.) 200-661-7 (EC Index-No.) 603-117-00-0 (REACH-no) 01-2119457558-25	≥ 30 – < 50	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Butane n- (Note C)(Note U)	(CAS-No.) 106-97-8 (EC-No.) 203-448-7 (EC Index-No.) 601-004-00-0	≥ 20 – < 30	Flam. Gas 1A, H220
Propane (Note U)	(CAS-No.) 74-98-6 (EC-No.) 200-827-9 (EC Index-No.) 601-003-00-5	≥ 10 – < 15	Flam. Gas 1A, H220
Isobutane (Note C)(Note U)	(CAS-No.) 75-28-5 (EC-No.) 200-857-2 (EC Index-No.) 601-004-00-0	≥ 5 – < 10	Flam. Gas 1A, H220
Propane-1,2-diol substance with national workplace exposure limit(s) (GB, IE, LT, LV, NO, PL)	(CAS-No.) 57-55-6 (EC-No.) 200-338-0 (REACH-no) 01-2119456809-23	≥ 1 – < 5	Not classified

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(R)-p-mentha-1,8-diene; d-limonene (Note C)	(CAS-No.) 5989-27-5 (EC-No.) 227-813-5 (EC Index-No.) 601-029-00-7 (REACH-no) 01-2119529223-47	≥ 0.1 – < 1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
citral	(CAS-No.) 5392-40-5 (EC-No.) 226-394-6 (EC Index-No.) 605-019-00-3	≥ 0.1 – < 1	Skin Irrit. 2, H315 Skin Sens. 1, H317

Note C : Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

Note U (Table 3): When put on the market gases have to be classified as 'Gases under pressure', in one of the groups compressed gas, liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in which the gas is packaged and therefore has to be assigned case by case.

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash skin with plenty of water.
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.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects	: May cause drowsiness or dizziness.
Symptoms/effects after eye contact	: Eye irritation.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Strong water jet.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Extremely flammable aerosol.
Explosion hazard	: Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. DO NOT fight fire when fire reaches explosives. Evacuate area.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : No open flames. No smoking. Isolate from fire, if possible, without unnecessary risk. Remove ignition sources.

6.1.1. For non-emergency personnel

Emergency procedures : No open flames, no sparks, and no smoking. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Store away from other materials.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Hazardous waste due to potential risk of explosion. Do not pierce or burn, even after use.

Precautions for safe handling : Do not spray on an open flame or other ignition source. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not pierce or burn, even after use. Avoid contact with skin and eyes. Wear personal protective equipment.

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 : Keep container closed when not in use. Do not expose to temperatures exceeding 50 °C/ 122 °F. Keep in fireproof place. Protect from sunlight.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight. Heat sources.

Storage class (LGK) : LGK 2B - Aerosols

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Butane n- (106-97-8)	
Austria - Occupational Exposure Limits	
Local name	Butan (beide Isomeren): n-Butan (R 600)
MAK (mg/m ³)	1900 mg/m ³
MAK (ppm)	800 ppm

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Butane n- (106-97-8)	
MAK Short time value (mg/m ³)	3800 mg/m ³ (3x 60(Mow) min)
MAK Short time value (ppm)	1600 ppm (3x 60(Mow) min)
Regulatory reference	BGBl. II Nr. 238/2018
Germany - Occupational Exposure Limits (TRGS 900)	
TRGS 900 Local name	Butan
Occupational exposure limit value (mg/m ³)	2400 mg/m ³
Occupational exposure limit value (ppm)	1000 ppm
Limitation of exposure peaks	4(II)
TRGS 900 Remark	DFG
TRGS 900 Regulatory reference	TRGS900
Switzerland - Occupational Exposure Limits	
Local name	n-Butane / n-Butan
MAK (mg/m ³)	1900 mg/m ³
MAK (ppm)	800 ppm
KZGW (mg/m ³)	7600 mg/m ³
KZGW (ppm)	3200 ppm
Critical toxicity	SNC / ZNS
Regulatory reference	www.suva.ch, 01.01.2020
Propane (74-98-6)	
Austria - Occupational Exposure Limits	
Local name	Propan (R 290)
MAK (mg/m ³)	1800 mg/m ³
MAK (ppm)	1000 ppm
MAK Short time value (mg/m ³)	3600 mg/m ³ (3x 60(Mow) min)
MAK Short time value (ppm)	2000 ppm (3x 60(Mow) min)
Regulatory reference	BGBl. II Nr. 238/2018
Germany - Occupational Exposure Limits (TRGS 900)	
TRGS 900 Local name	Propan
Occupational exposure limit value (mg/m ³)	1800 mg/m ³
Occupational exposure limit value (ppm)	1000 ppm
Limitation of exposure peaks	4(II)
TRGS 900 Remark	DFG
TRGS 900 Regulatory reference	TRGS900
Switzerland - Occupational Exposure Limits	
Local name	Propane / Propan
MAK (mg/m ³)	1800 mg/m ³
MAK (ppm)	1000 ppm
KZGW (mg/m ³)	7200 mg/m ³
KZGW (ppm)	4000 ppm

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Propane (74-98-6)

Critical toxicity	Formel / Formal
Remark	NIOSH
Regulatory reference	www.suva.ch, 01.01.2020

Isobutane (75-28-5)

Austria - Occupational Exposure Limits

Local name	Butan (beide Isomeren): Isobutan (R 600a)
MAK (mg/m ³)	1900 mg/m ³
MAK (ppm)	800 ppm
MAK Short time value (mg/m ³)	3800 mg/m ³ (3x 60(Mow) min)
MAK Short time value (ppm)	1600 ppm (3x 60(Mow) min)
Regulatory reference	BGBl. II Nr. 238/2018

Germany - Occupational Exposure Limits (TRGS 900)

TRGS 900 Local name	Isobutan
Occupational exposure limit value (mg/m ³)	2400 mg/m ³
Occupational exposure limit value (ppm)	1000 ppm
Limitation of exposure peaks	4(II)
TRGS 900 Remark	DFG
TRGS 900 Regulatory reference	TRGS900

Switzerland - Occupational Exposure Limits

Local name	iso-Butane / iso-Butan
MAK (mg/m ³)	1900 mg/m ³
MAK (ppm)	800 ppm
KZGW (mg/m ³)	7600 mg/m ³
KZGW (ppm)	3200 ppm
Critical toxicity	SNC / ZNS
Regulatory reference	www.suva.ch, 01.01.2020

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

Austria - Occupational Exposure Limits

Local name	2-Propanol
MAK (mg/m ³)	500 mg/m ³
MAK (ppm)	200 ppm
MAK Short time value (mg/m ³)	2000 mg/m ³ (4x 30(Miw) min) (Kurzzeitwert für Großguss gilt bis 31.12.2013) 2000 mg/m ³ (4x 15(Miw) min)
MAK Short time value (ppm)	800 ppm (4x 15(Miw) min) 800 ppm (4x 30(Miw) min) (Kurzzeitwert für Großguss gilt bis 31.12.2013)
Regulatory reference	BGBl. II Nr. 238/2018

Germany - Occupational Exposure Limits (TRGS 900)

TRGS 900 Local name	Propan-2-ol
Occupational exposure limit value (mg/m ³)	500 mg/m ³

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propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)	
Occupational exposure limit value (ppm)	200 ppm
Limitation of exposure peaks (mg/m ³)	1000 mg/m ³
Limitation of exposure peaks	2(II)
TRGS 900 Remark	DFG;Y
TRGS 900 Regulatory reference	TRGS900
Germany - Biological limit values (TRGS 903)	
TRGS 903 Local name	Propan-2-ol
TRGS 903 Biological limit value	25 mg/l Parameter: Aceton - Untersuchungsmaterial: U = Urin - Probenahmezeitpunkt: b) Expositionsende, bzw. Schichtende - Festlegung/Begründung: 11/2012 DFG 25 mg/l Parameter: Aceton - Untersuchungsmaterial: B = Vollblut, U = Urin - Probenahmezeitpunkt: b) Expositionsende, bzw. Schichtende - Festlegung/Begründung: 11/2012 DFG
TRGS 903 Regulatory reference	TRGS 903
Switzerland - Occupational Exposure Limits	
Local name	Isopropanol (s. 2-Propanol)
MAK (mg/m ³)	500 mg/m ³ 500 mg/m ³ 500 mg/m ³ 500 mg/m ³
MAK (ppm)	200 ppm 200 ppm 200 ppm 200 ppm
KZGW (mg/m ³)	1000 mg/m ³ 1000 mg/m ³ 1000 mg/m ³ 1000 mg/m ³
KZGW (ppm)	400 ppm 400 ppm 400 ppm 400 ppm
Critical toxicity	VRS, Foie, SNC, Yeux / OAW, Leber, ZNS, Auge
Notation	SS _c , B / SS _c , B
Remark	B SS _c - Auge & OAW, ZNS, Leber ^{KT AN} - INRS, NIOSH
Regulatory reference	www.suva.ch, 01.01.2020

(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)	
Germany - Occupational Exposure Limits (TRGS 900)	
TRGS 900 Local name	(R)-p-Mentha-1,8-dien (D-Limonen)
Occupational exposure limit value (mg/m ³)	28 mg/m ³
Occupational exposure limit value (ppm)	5 ppm
Limitation of exposure peaks	4(II)
TRGS 900 Remark	DFG;H;Sh;Y
TRGS 900 Regulatory reference	TRGS900
Switzerland - Occupational Exposure Limits	
Local name	D-Limonène / D-Limonen

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(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)

MAK (mg/m ³)	40 mg/m ³
MAK (ppm)	7 ppm
KZGW (mg/m ³)	80 mg/m ³
KZGW (ppm)	14 ppm
Critical toxicity	Foie / Leber
Notation	S, SS _C / S, SS _C
Regulatory reference	www.suva.ch, 01.01.2020

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Personal protective equipment:

Avoid all unnecessary exposure.

Materials for protective clothing:

Wear suitable protective clothing

Hand protection:

In case of repeated or prolonged contact wear gloves

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Chemically resistant protective gloves	Fluoro rubber (Viton)	6 (> 480 minutes)	≥ 0.7	3 (> 0.65)	
	Nitrile rubber (NBR)	5 (> 240 minutes)	≥ 0.4	3 (> 0.65)	
	Butyl rubber	4 (> 120 minutes)	≥ 0.7	3 (> 0.65)	

Eye protection:

Chemical goggles or safety glasses. Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

Device	Filter type	Condition	Standard
Aerosol mask	Filter AX (brown), Type P3		

Personal protective equipment symbol(s):



Environmental exposure controls:

Avoid release to the environment.

Other information:

Do not eat, drink or smoke during use.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless.
Odour	: characteristic.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Extremely flammable aerosol.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Pressurised container: May burst if heated.
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

VOC content	: 89.2577 %
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SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

Contains gas under pressure; may explode if heated. Extreme risk of explosion by shock, friction, fire or other sources of ignition. Extremely flammable aerosol.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Heat. Sparks. Open flame. Avoid contact with hot surfaces. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified

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Acute toxicity (inhalation) : Not classified

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

LD50 oral rat	5840 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 oral	4396 mg/kg bodyweight
LD50 dermal	12800 mg/kg bodyweight
LC50 inhalation rat (Dust/Mist - mg/l/4h)	46600 mg/l

(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)

LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method)
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Skin corrosion/irritation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Serious eye damage/irritation	: Causes serious eye irritation.
Additional information	: Based on available data, the classification criteria are not met
Respiratory or skin sensitisation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-single exposure	: May cause drowsiness or dizziness.
Additional information	: Based on available data, the classification criteria are not met
STOT-repeated exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified
Additional information	: Based on available data, the classification criteria are not met

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Vaporizer	Aerosol
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Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Harmful to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Harmful to aquatic life with long lasting effects.

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

LC50 fish 1	9640 mg/l
LC50 fish 2	9640 mg/l Test organisms (species): Pimephales promelas
EC50 other aquatic organisms 1	13299 mg/l waterflea

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EC50 other aquatic organisms 2	> 1000 mg/l
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(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)

LC50 fish 1	720 µg/l Test organisms (species): Pimephales promelas
EC50 Daphnia 1	0.36 mg/l Test organisms (species): Daphnia magna
EC50 72h algae (1)	≈ 8 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
NOEC (chronic)	0.115 mg/l Test organisms (species): other:For freshwater invertebrates, species frequently include Daphnia magna or Daphnia pulex. Duration: '16 d'

12.2. Persistence and degradability

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Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

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Bioaccumulative potential	Not established.
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propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)

Partition coefficient n-octanol/water (Log Pow)	0.05
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Additional information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Container under pressure. Do not drill or burn even after use.
Additional information	: Flammable vapours may accumulate in the container.
European List of Waste (LoW) code	: 16 05 04* - gases in pressure containers (including halons) containing dangerous substances
Switzerland - Recommendations	: Disposal according to the Technical Ordinance on Waste (TVA), the Ordinance on Movements of Waste (VeVA) and the DETEC Ordinance concerning lists for the movement of wastes (LVA).
Switzerland - Waste code (VeVA)	: 16 05 04 - [ak] Gases in pressure containers (including halons) containing dangerous substances






SECTION 14: Transport information

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

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ADR	IMDG	IATA	ADN	RID
14.1. UN number				
UN 1950	UN 1950	UN 1950	UN 1950	UN 1950
14.2. UN proper shipping name				
AEROSOLS	AEROSOLS, FLAMMABLE	AEROSOLS, FLAMMABLE	AEROSOLS, FLAMMABLE	AEROSOLS
Transport document description				
UN 1950 AEROSOLS, 2.1, (D)	UN 1950 AEROSOLS, FLAMMABLE, 2.1	UN 1950 AEROSOLS, FLAMMABLE, 2.1	UN 1950 AEROSOLS, FLAMMABLE, 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	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, LP02
Special packing provisions (ADR)	: PP87, RR6, L2
Mixed packing provisions (ADR)	: MP9
Transport category (ADR)	: 2
Special provisions for carriage - Packages (ADR)	: V14
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, 959
Limited quantities (IMDG)	: SP277
Excepted quantities (IMDG)	: E0
Packing instructions (IMDG)	: P207, LP02
Special packing provisions (IMDG)	: PP87, L2
EmS-No. (Fire)	: F-D
EmS-No. (Spillage)	: S-U
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

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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
Special provisions (RID) : 190, 327, 344, 625
Limited quantities (RID) : 1L
Excepted quantities (RID) : E0
Packing instructions (RID) : P207, LP02
Special packing provisions (RID) : PP87, RR6, L2
Mixed packing provisions (RID) : MP9
Transport category (RID) : 2
Special provisions for carriage – Packages (RID) : W14
Special provisions for carriage - Loading, unloading and handling (RID) : CW9, CW12
Colis express (express parcels) (RID) : CE2
Hazard identification number (RID) : 23

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

VOC content : 89.2577 %

Allergenic fragrances > 0,01%:

LIMONENE

Detergent Regulation (648/2004/EC): Labelling of contents:

Component	%
aliphatic hydrocarbons	≥30%
perfumes	
LIMONENE	

15.1.2. National regulations

Germany

Water hazard class (WGK) : WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1)

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Hazardous Incident Ordinance (12. BImSchV) : Listed in the 12. BImSchV (Annex I) under: 1.2.3.1
Quantity threshold for operational area under § 1 para. 1
Sentence 1: 150000 kg
Sentence 2: 500000 kg

Switzerland

Swiss National Regulations : Chemicals Ordinance (SR 813.11).
Chemical Risk Reduction Ordinance (SR 814.81).
Aerosol Directive (75/324/EEC).
Disposal according to the Technical Ordinance on Waste (TVA), the Ordinance on Movements of Waste (VeVA) and the DETEC Ordinance concerning lists for the movement of wastes (LVA).
Environmental Protection Act, EPA (SR 814.01).

Storage class (LK) : LK 2 - Liquefied or pressurized gases

Major Accidents Ordinance (MAO) : Annex 1, number 4
Threshold quantity: 50000 kg

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:			
Section	Changed item	Change	Comments
	Supersedes	Added	
	Revision date	Modified	
	Switzerland - Recommendations	Added	
	Threshold quantity	Added	
	Major Accidents Ordinance (MAO)	Added	
	SDS Ref.	Modified	
1.1	Product code	Modified	
8.2	Respiratory protection	Modified	
8.2	Hand protection	Modified	
13.1	European List of Waste (LoW) code	Added	
15.1	Storage class (LK)	Added	
15.1	Swiss National Regulations	Added	
15.1	Storage class (LGK)	Added	

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.

Other information : None.

Full text of H- and EUH-statements:

Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Gas 1A	Flammable gases, Category 1A
Flam. Liq. 2	Flammable liquids, Category 2

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Flam. Liq. 3	Flammable liquids, Category 3
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
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.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH208	Contains LIMONENE, citral. May produce an allergic reaction.

SDS EU (REACH Annex II)

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.