

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878 SDS Reference Number: 100140700 Revision date: 2/10/2025 Supersedes version of: 1/9/2023 Version: 4.1

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

#### **1.1. Product identifier**

Product code

### Product form Name

: Mixture : R-407A : 100140700

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

#### **Relevant identified uses**

Use of the substance/mixture

: Refrigerant

Supplier	Other
Dehon Service SAS	Climalife Hongrie Kft.
26 Avenue du Petit Parc	Villányi út 47
94683 VINCENNES Cedex	1118 Budapest
France	Hungary
۲ 01 43 98 75 00, F 01 43 98 21 51	T (36) 23 431 660
ContactFDS@climalife.dehon.com	ContactFDS@climalife.dehon.com
Dther	Other
Climalife Kft Budepesta sucurcala Bucuresti Romania	Climalife Supplied by Inventec Performance Chemicals Italia SR
Bulevardul Hristo Botev, Nr. 28,	Via del Lavoro, 10/G
Biroul NR 4, Modulul I	20874 Busnago MB
Bucuresti Sectorul 3	Italia
Romania	T +39 39-5973480, F +39 39-5973490
ContactFDS@climalife.dehon.com	ContactFDS@climalife.dehon.com
Dther	Other
Dehon Kälte-Fachvertriebs GmbH	Dehon nordic service
Robert-Bosch-Strasse 14	Östra Hamngatan 50B 3tr
10668 MEERBUSCH	41109 GÖTEBORG
Germany	Sweden
00 49 2150 7073 0 , F 00 49 2150 7073 17	T 00 46 735 01 90 50
ContactFDS@climalife.dehon.com	ContactFDS@climalife.dehon.com
Dther	Other
Dehon Service Belgium s.a/n.v.	Dehon Service Nerderland B.V.
venue Carton de Wiart, 79	Van Konijnenburgweg 84
090 Bruxelles	NL-4612 PL Bergen Op Zoom
Belgium	Netherlands
0 32 2 421 01 70, F 00 32 2 426 96 62	T 00 31 164 212 830, F 00 31 164 212 831
ContactFDS@climalife.dehon.com	ContactFDS@climalife.dehon.com
Dther	Other
riogas sa	IDS Refrigeration Limited
Poligono Industrial SEPES	22 Apex Court, Woodlands, Bradley Stoke
Parcela 10	BS32 4JT Bristol
6500 SAGUNTO (Valencia)	United Kingdom
Spain	T 00 44 1179 802520, F 00 44 1179 802521
00 34 9 6 266 36 32, F 00 34 9 6 266 50 25	ContactFDS@climalife.dehon.com
ContactFDS@climalife.dehon.com	
Dther	Other
Prochimac SA	Galco s.a/n.v.
I Petits Champs 15	Avenue Carton de Wiart, 79
CH-1400 Yverdon-les-Bains	1090 BRUSSELS
Switzerland	Belgium
00 41 32 727 36 00, F 00 41 32 727 36 19	T 00 32 2 421 01 84 , F 00 32 2 421 01 84 / 00 32 2 425 38 12
ContactFDS@climalife.dehon.com	ContactFDS@climalife.dehon.com
Other	Other

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**Climalife Asia Corporation** Room 302-A82, No.3, Building 1509, Xin Zhen Road, 201101 Shanghai, Minhang District China T +86 21 6442 3972 , F +86 21 6442 3952 ContactFDS@climalife.dehon.com Other Teknalys Middle East FZCO

B34BS33O203, Jebel Ali Freezone Dubai United Arab Emirates ContactFDS@climalife.dehon.com

#### 1.4. Emergency telephone number

Emergency number

: +33 (0) 1 72 11 00 03

Country/Area	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH	0344 892 0111	Only for healthcare professionals

### **SECTION 2: Hazards identification**

#### 2.1. Classification of the substance or mixture

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

Press. Gas (Liq.) H280

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

#### Adverse physicochemical, human health and environmental effects

Vapours are heavier than air and can cause suffocation by reducing oxygen available for breathing. Contact with the liquid may cause frostbite and serious damage to eyes.

#### 2.2. Label elements

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

Hazard pictograms (CLP)

Signal word (CLP) Hazard statements (CLP) Precautionary statements (CLP) Extra phrases

: Warning

- H280 Contains gas under pressure; may explode if heated.
- P403 Store in a well-ventilated place. :
- : Greenhouse fluorinated gas falling within Kyoto Protocol (GWP=2107).

#### 2.3. Other hazards

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

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Galco Singapore Branch 135 Cecil Street #10-01 Singapore ContactFDS@climalife.dehon.com



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Component	
Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII	Pentafluoroethane (354-33-6), 1,1,1,2-Tetrafluoroethane (811-97-2)
Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	Pentafluoroethane (354-33-6), 1,1,1,2-Tetrafluoroethane (811-97-2)

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]
Pentafluoroethane	CAS-No.: 354-33-6 EC-No.: 206-557-8 REACH-no: 01-2119485636- 25	40	Press. Gas (Liq.), H280
I,1,1,2-Tetrafluoroethane	CAS-No.: 811-97-2 EC-No.: 212-377-0 REACH-no: 01-2119459374- 33	40	Press. Gas (Liq.), H280
Difluoromethane	CAS-No.: 75-10-5 EC-No.: 200-839-4 REACH-no: 01-2119471312- 47	20	Flam. Gas 1B, H221 Press. Gas (Liq.), H280

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	: Move the affected person away from the contaminated area and into the fresh air. If you feel unwell, seek medical advice.	
First-aid measures after skin contact	: In the event of contact with the liquid: treat resulting frostbite as a burn. Immediately remove contaminated clothing or footwear. Immediately rinse with plenty of water. If skin burns appear, call a doctor immediately.	
First-aid measures after eye contact	<ul> <li>Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum). Consult an eye specialist immediately.</li> </ul>	
First-aid measures after ingestion	: Not specifically applicable (gas).	
4.2. Most important symptoms and effects, both acute and delayed		
Symptoms/effects	: CNS depression. Narcosis. Cardiac disorders. Lack of oxygen: risk of death.	

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

No additional information available

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SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media Unsuitable extinguishing media	: All extinguishing agents can be used. : None to our knowledge. If there is a fire close by, use suitable extinguishing agents.
5.2. Special hazards arising from the su	bstance or mixture
Explosion hazard	: pressure rise and possible bursting of container. On heating : Toxic and corrosive vapours are released.
5.3. Advice for firefighters	
Firefighting instructions Protection during firefighting	<ul><li>: Use water spray or fog for cooling exposed containers.</li><li>: Self-contained breathing apparatus. Complete protective clothing.</li></ul>

SECTION 6: Accidental release measures		
6.1. Personal precautions, protective equipment and emergency procedures		
General measures	: Avoid contact with skin and eyes. Remove all sources of ignition. Do not smoke. Evacuate the danger area. Do not breathe smoke. Stop the leak.	
For non-emergency personnel		
Emergency procedures	: Evacuate area.	
For emergency responders		
Emergency procedures	: Evacuate the danger area.	
6.2. Environmental precautions		
No additional information available		
6.3. Methods and material for containment and cleaning up		
Other information : Mechanically ventilate the spillage area.		

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of solid materials or residues refer to section 13 : "Disposal considerations".

SECTION 7: Handling and stor	age
7.1. Precautions for safe handling	
Precautions for safe handling	: Avoid breathing mist, vapours. Do not get in eyes, on skin, or on clothing. Ventilation. Vapours are heavier than air and may spread along floors. Under certain temperature and pressure conditions may form a flammable mixture in the presence of air.
Hygiene measures	: Do not drink, eat or smoke in the workplace.
7.2. Conditions for safe storage, in	ncluding any incompatibilities
Storage conditions	: Store : in a cool, well-ventilated area, away from any source of heat, away from any source of ignition.
Incompatible materials	: Strong oxidizing agents. Alkaline hydroxide. Alkaline earth metals. Finely divided metals (Al Mg, Zn).
Packaging materials	: Recommended materials Stainless steel, Carbon steel. Do not use : Alloys containing more than 2% magnesium, Plastic materials.
7.3. Specific end use(s)	
No additional information available	

No additional information available

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SECTION 8: Exposure controls/personal protection		
8.1. Control parameters		
National occupational exposure and biological limit values		
Pentafluoroethane (354-33-6)		
EU - Indicative Occupational Exposure Limit (IOEL	)	
IOEL TWA	4900 mg/m³ (recommended)	
	1000 ppm (recommended)	
Difluoromethane (75-10-5)		
EU - Indicative Occupational Exposure Limit (IOEL	)	
IOEL TWA	2200 mg/m³ (recommended)	
	1000 ppm (recommended)	
1,1,1,2-Tetrafluoroethane (811-97-2)	·	
EU - Indicative Occupational Exposure Limit (IOEL	)	
IOEL TWA	4240 mg/m³	
	1000 ppm	
United Kingdom - Occupational Exposure Limits		
Local name	1,1,1,2-Tetrafluoroethane (HFC 134a)	
WEL TWA (OEL TWA)	4240 mg/m <sup>3</sup>	
	1000 ppm	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	
DNEL and PNEC		
Pentafluoroethane (354-33-6)		
DNEL/DMEL (Workers)		
Long-term - systemic effects, inhalation	16444 mg/m³	
DNEL/DMEL (General population)		
Long-term - systemic effects, inhalation 1753 mg/m <sup>3</sup>		
PNEC (Water)		
PNEC aqua (freshwater)	0.1 mg/l	
PNEC aqua (intermittent, freshwater)	1 mg/l	
PNEC (Sediment)		
PNEC sediment (freshwater)	0.6 mg/kg dwt	
Difluoromethane (75-10-5)		
DNEL/DMEL (Workers)		
Long-term - systemic effects, inhalation	7035 mg/m <sup>3</sup>	
DNEL/DMEL (General population)		
Long-term - systemic effects, inhalation	750 mg/m³	
PNEC (Water)		
PNEC aqua (freshwater)     0.142 mg/l		

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Difluoromethane (75-10-5)		
PNEC (Sediment)		
PNEC sediment (freshwater)	0.534 mg/kg dwt	
1,1,1,2-Tetrafluoroethane (811-97-2)		
DNEL/DMEL (Workers)		
ong-term - systemic effects, inhalation	13936 mg/m <sup>3</sup>	
DNEL/DMEL (General population)		
ong-term - systemic effects, inhalation	2476 mg/m <sup>3</sup>	
PNEC (Water)		
PNEC aqua (freshwater)	0.1 mg/l	
PNEC aqua (marine water)	0.01 mg/l	
PNEC aqua (intermittent, freshwater)	1 mg/l	
PNEC (Sediment)		
PNEC sediment (freshwater)	0.75 mg/kg dwt	
PNEC (STP)		
PNEC sewage treatment plant	73 mg/l	

## 8.2. Exposure controls

### Personal protection equipment

#### Eye and face protection

- Eye protection:
- Safety glasses with side shields

#### Skin protection

Skin and body protection:

Majority cotton protective clothing

#### Hand protection:

Leather protective gloves. Nitrile-rubber protective gloves. VITON gloves

## **Respiratory protection**

#### **Respiratory protection:**

In the event of insufficient ventilation: Gas mask with filter type AX. In a confined area : Self-contained breathing apparatus

SECTION 9: Physical and chemical properties			
9.1. Information on basic phys	sical and chemical properties		
Physical state	: Gas		
Colour	: Colourless.		
Appearance	: Liquefied gas.		
Molecular mass	: 90.11 g/mol		
Odour	: slightly ethereal.		
Odour threshold	: Not available		
Melting point	: Not applicable		
Freezing point	: Not applicable		
Boiling point	: -45.01 °C		
Flammability	: Non flammable.		
Explosive properties	: Not explosive material according to EC criteria.		
Oxidising properties	: Non oxidizing material according to EC criteria.		
Lower explosion limit	: Not available		
Upper explosion limit	: Not available		
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Flash point	: Not applicable
Auto-ignition temperature	: Not available
Decomposition temperature	: > 250 °C
pH	: Not applicable
Viscosity, kinematic	: Not applicable
Solubility	: Insoluble in water.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: 12.53 bar (25°C)
Vapour pressure at 50°C	: 23.24 bar (50°C)
Critical pressure	: 45.15 bar
Density	: 1.145 g/cm³ (25°C)
Relative density	: Not applicable
Relative vapour density at 20°C	: 3.1
Particle characteristics	: Not applicable
9.2. Other information	
Information with regard to physical beyond ala	

information with regard to physical hazard classe	S	
Critical temperature	:	82.3 °C
Other safety characteristics		
VOC content	:	100 %

### **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

Decomposes on exposure to temperature rise.

#### 10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

10.3. Possibility of hazardous reactions

No information available. No polymerization.

**10.4. Conditions to avoid** 

Avoid high temperatures. Avoid naked flame. Heating will cause a rise in pressure with a risk of bursting.

10.5. Incompatible materials

Alkalis and caustic products. alkali metals. Alkaline earth metals. Finely divided metals (Al, Mg, Zn). Strong oxidizing agents.

**10.6. Hazardous decomposition products** 

On thermal decomposition (pyrolysis), releases : Hydrogen fluoride, Carbon oxides (CO, CO2), Fluorinated hydrocarbons, Carbonyl halogenides.

### **SECTION 11: Toxicological information**

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

Acute toxicity (dermal)	Not classified Not classified Not classified
LC50 Inhalation - Rat [ppm]	800000 ppm/4h
Difluoromethane (75-10-5)	
LC50 Inhalation - Rat [ppm]	> 520000 ppm/4h

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1,1,1,2-Tetrafluoroethane (811-97-2)	
LC50 Inhalation - Rat [ppm]	> 500000 ppm/4h
	: Not classified
Additional information	pH: Not applicable : Contact with the liquid causes frostbite
Pentafluoroethane (354-33-6)	
рН	Not applicable
Difluoromethane (75-10-5)	
рН	N/A
1,1,1,2-Tetrafluoroethane (811-97-2)	
pН	Not applicable
Serious eye damage/irritation	Not classified
Additional information	pH: Not applicable : Contact with the liquefied gas may cause severe ocular lesions
Pentafluoroethane (354-33-6)	
pH	Not applicable
Difluoromethane (75-10-5)	
	N/A
pH	N/A
1,1,1,2-Tetrafluoroethane (811-97-2)	
pH	Not applicable
Respiratory or skin sensitisation Germ cell mutagenicity	: Not classified : Not classified
	: Not classified
1,1,1,2-Tetrafluoroethane (811-97-2)	
NOAEL (chronic, oral, animal/male, 2 years)	300 mg/kg bodyweight rat
Reproductive toxicity	Not classified
Pentafluoroethane (354-33-6)	
NOAEL (animal/male, F0/P)	245 mg/kg
NOAEL (animal/female, F0/P)	245 mg/kg
5 1	Not classified
STOT-repeated exposure	: Not classified
Pentafluoroethane (354-33-6)	50000 mm
NOAEC (inhalation, rat, dust/mist/fume, 90 days)	50000 ppm
Difluoromethane (75-10-5)	
NOAEC (inhalation, rat, gas, 90 days)	50000 ppmv/6h/day
1,1,1,2-Tetrafluoroethane (811-97-2)	
NOAEC (inhalation, rat, gas, 90 days)	50000 ppm Animal: rat, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)
Aspiration hazard	: Not applicable
1,1,1,2-Tetrafluoroethane (811-97-2)	
Viscosity, kinematic	

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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 is 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

Not classified
Not classified
> 81.8 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
450 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
> 97.9 mg/l Test organisms (species): Daphnia magna
> 114 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
> 118 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
32 mg/l Test organisms (species): Duration: '30 d'
> 81.8 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
> 97.9 mg/l Test organisms (species): Daphnia magna
> 97.9 mg/l Daphnia magna
> 118 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
> 114 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
313 mg/l
450 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
980 mg/l 48 Hours (Daphnia magna)
> 118 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
> 114 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)

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12.2. Persistence and degradability	
R-407A	
Persistence and degradability	Not established.
Pentafluoroethane (354-33-6)	
Persistence and degradability	5 % biodegradation after 28 days, Not readily biodegradable.
Difluoromethane (75-10-5)	
Persistence and degradability	Rapidly degradable
Biodegradation	5 %
1,1,1,2-Tetrafluoroethane (811-97-2)	
Persistence and degradability	Photodegradation in the air :, Half-life in air : 9,7 y, 3 % biodegradation after 28 days.
12.3. Bioaccumulative potential	
Pentafluoroethane (354-33-6)	
Partition coefficient n-octanol/water (Log Kow)	1.48 (25°C)
Difluoromethane (75-10-5)	
Partition coefficient n-octanol/water (Log Pow)	0.21
1,1,1,2-Tetrafluoroethane (811-97-2)	
Partition coefficient n-octanol/water (Log Pow)	1.06
12.4. Mobility in soil	
Pentafluoroethane (354-33-6)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.3 – 1.7
1,1,1,2-Tetrafluoroethane (811-97-2)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.5
12.5. Results of PBT and vPvB assessment	
Component	
Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII	Pentafluoroethane (354-33-6), 1,1,1,2-Tetrafluoroethane (811-97-2)
Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	Pentafluoroethane (354-33-6), 1,1,1,2-Tetrafluoroethane (811-97-2)
12.6. Endocrine disrupting properties	·
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 is 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	
Other adverse effects :	ODP (R-11=1)=0.

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R-407A			
Other information GWP (CO2=1/100 years) = 2107			
Pentafluoroethane (354-33-6)			
Other information GWP (CO2=1/100 years) = 3500			
Difluoromethane (75-10-5)			
Other information GWP (CO2=1/100 years) = 675			
1,1,1,2-Tetrafluoroethane (811-97-2)			
Other information	GWP (CO2=1/100 years) = 1430		

SECTION 13: Disposal considerations	
13.1. Waste treatment methods	
Product/Packaging disposal recommendations	: Methods of disposal of packaging. Reuse or recycle following decontamination. Destroy at an authorised site.
Additional information	: The user's attention is drawn to the possible existence of specific european, national or local regulations regarding disposal.

# **SECTION 14: Transport information**

ADR	IMDG	ΙΑΤΑ	RID
14.1. UN number or ID number	r		
UN 3338	UN 3338	UN 3338	UN 3338
14.2. UN proper shipping nam	e		
REFRIGERANT GAS R 407A	REFRIGERANT GAS R 407A	Refrigerant gas R 407A	REFRIGERANT GAS R 407A
Transport document description			
UN 3338 REFRIGERANT GAS R 407A, 2.2, (C/E)	UN 3338 REFRIGERANT GAS R 407A, 2.2	UN 3338 Refrigerant gas R 407A, 2.2	UN 3338 REFRIGERANT GAS R 407A, 2.2
14.3. Transport hazard class(e	es)		
2.2	2.2	2.2	2.2
2		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	2
14.4. Packing group			
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-C EmS-No. (Spillage): S-V	Dangerous for the environment: No	Dangerous for the environment: No
No supplementary information availa			

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14.6. Special precautions for user	
Overland transport	
Classification code (ADR)	: 2A
Special provisions (ADR)	: 662
Limited quantities (ADR)	: 120ml
Tank code (ADR)	: PxBN(M)
Transport category (ADR)	: 3
Hazard identification number (Kemler No.)	: 20
Orange plates	20
	3338
Tunnel restriction code (ADR)	: C/E
EAC code	: 2TE
Transport by sea	
Limited quantities (IMDG)	: 120 ml
Air transport	
PCA Limited quantities (IATA)	: Forbidden
PCA limited quantity max net quantity (IATA)	: Forbidden
PCA packing instructions (IATA)	: 200
PCA max net quantity (IATA)	: 75kg
CAO packing instructions (IATA)	: 200
CAO max net quantity (IATA)	: 150kg
Rail transport	
Classification code (RID)	: 2A
Special provisions (RID)	: 662
Limited quantities (RID)	: 120ml
Tank codes for RID tanks (RID)	: PxBN(M)
Transport category (RID)	: 3
Colis express (express parcels) (RID)	: CE3
Hazard identification number (RID)	: 20

### 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**

Other information, restriction and prohibition : \* Regulation (EC) No 517/2014 : Greenhouse fluorinated gas falling within Kyoto Protocol. regulations

#### **REACH Annex XVII (Restriction List)**

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

#### **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)

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#### 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

: 100 %

#### Explosives Precursors Regulation (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 (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)

#### **National regulations**

Ensure all national/local regulations are observed.

15.2. Chemical safety assessment

No additional information available

### **SECTION 16: Other information**

#### Indication of changes:

All chapters have been modified since the previous version.

Indication of changes		
Section	Changed item	Comments
	Adverse health effects caused by endocrine disrupting properties	Added
2.2	Precautionary statements (CLP)	Modified
3	Composition/information on ingredients	Modified
9	Molecular mass	Added
9	VOC content	Added
9	Boiling point	Modified
12.2	Persistence and degradability	Added
12.6	Adverse effects on the environment caused by endocrine disrupting properties	Added

Other information

: For more information regarding the use of this product, please refer to our technical information or contact the sales department in your region.

Full text of H- and EUH-statements:		
Flam. Gas 1B	Flammable gases, Category 1B	
Press. Gas (Liq.)	Gases under pressure : Liquefied gas	
H221	Flammable gas.	
H280	Contains gas under pressure; may explode if heated.	

Safety Data Sheet (SDS), EU

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.