ANTI RONGEURS

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Reference number: 4492D
Issue date: 21-04-22 Revision date: 08-09-26 Supersedes version of: 27-02-26 Version: 3.0

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

1.1. Product identifier

Product form : Mixture
Product name : ANTI RONGEURS
UFI : 7FA1-UAQN-T0M8-XGJH
Product code : 4492D # 732449DR2
Type of product : Biocide regulation (EU 528/2012)
Vaporizer : Aerosol

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
Function or use category : Pesticides, non-agricultural (Biocides), spray

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Distributor
SADAPS BARDAHL Additives & Lubricants
ZI TOURNAI OUEST 2 - RUE DU MONT DES CARLIERS, 3
7522 TOURNAI
BELGIQUE
T +32 (0).69.59.03.60, F +32 (0).69.59.03.61
msds@bardahlfrance.com, www.bardahl.be

Supplier
SADAPS BARDAHL Additives & Lubricants
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msds@bardahlfrance.com, www.bardahl.be

1.4. Emergency telephone number

Emergency number : + 32 (0)70.245.245 / +33 (0)1.45.42.59.59

Country	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)	
Malta	Medicines & Poisons Info Office	Mater Dei Hospital Msida MSD 2090 Msida	112 +356 2545 6508	
Saudi Arabia	Poison Control Center-Riyadh	General Directorate of Health Affairs Medial Province	+966 112324180 +966 112324189	
United Arab Emirates	Health Authority – Abu Dhabi (HAAD) Poison & Drug Information Center (PDIC)	P.O. Box 5674	+ 800-424	
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER	+44 20 7188 7188	

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
Specific target organ toxicity – Single exposure, Category 3, Narcosis	H336
Aspiration hazard, Category 1	H304

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

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS02 GHS07

Signal word (CLP) : Danger

Contains : Hydrocarbons C9-C11 n-alkanes, isoalkanes, cyclics, <2% aromatics

Hazard statements (CLP) : H222 - Extremely flammable aerosol.
H229 - Pressurised container: May burst if heated.
H336 - May cause drowsiness or dizziness.

Precautionary statements (CLP) : P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P260 - Do not breathe gas, mist.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
P273 - Avoid release to the environment.
P280 - Wear protective gloves.
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER, a doctor.
P312 - Call a POISON CENTER, doctor if you feel unwell.
P404 - Store in a closed container.
P405 - Store locked up.
P501 - Dispose of the empty packaging or the unused product in accordance with local regulations for waste disposal. In the second case, it is forbidden to recycle the packaging.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 - Do not spray on an open flame or other ignition source.
P251 - Do not pierce or burn, even after use.
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

EUH-statements : EUH066 - Repeated exposure may cause skin dryness or cracking.
EUH208 - Contains CITRONELLOL, Cineole. May produce an allergic reaction.

Extra phrases : Not to be used for any purpose other than the one the product was designed for.
Contains: Eucalyptus citriodora oil, hydrated, cyclized (Citriodiol) (cas n° 1245629-80-4): 4,0g/100g.
Expiry date and batch number: see packaging.
Do not use or spray near children animals or any other person with possible respiratory problems.
Repellents and attractants.
(TP19).
Immediate action.

Child-resistant fastening : Not applicable

Tactile warning : Not applicable

2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 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

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons C9-C11 n-alkanes, isoalkanes, cyclics, <2% aromatics substance with national workplace exposure limit(s) (FR)	EC-No.: 919-857-5 REACH-no: 01-2119463258-33	40 – 60	Flam. Liq. 3, H226 STOT SE 3, H336 Asp. Tox. 1, H304 EUH066
n-butane (contenant <0.1% butadiène) (Propellant gas (Aerosol)) substance with national workplace exposure limit(s) (AT, BE, DE, DK, ES, FI, FR, GB, HU, IE, LV, PL) (Note C)(Note U)	CAS-No.: 106-97-8 EC-No.: 203-448-7 EC Index-No.: 601-004-00-0 REACH-no: 01-2119474691-32	20 – 30	Flam. Gas 1A, H220 Press. Gas (Liq.), H280
propane (Propellant gas (Aerosol)) substance with national workplace exposure limit(s) (AT, BE, DE, DK, ES, FI, LV, PL, RO); substance with a Community workplace exposure limit (Note U)	CAS-No.: 74-98-6 EC-No.: 200-827-9 EC Index-No.: 601-003-00-5 REACH-no: 01-2119486944-21	10 – 20	Flam. Gas 1A, H220 Press. Gas (Liq.), H280
isobutane (containing < 0,1% butadiene (203-450-8)) (Propellant gas (Aerosol)) substance with national workplace exposure limit(s) (BE, DE, FI, IE) (Note C)(Note U)	CAS-No.: 75-28-5 EC-No.: 200-857-2 EC Index-No.: 601-004-00-0 REACH-no: 01-2119485395-27	5 – 8	Flam. Gas 1A, H220 Press. Gas (Liq.), H280
Eucalyptus citriodora oil, hydrated, cyclized	CAS-No.: 1245629-80-4	2 – 5	Eye Irrit. 2, H319
CITRONELLOL	CAS-No.: 106-22-9 EC-No.: 203-375-0 REACH-no: 01-2119453995-23	0,1 – 0,5	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
Cineole	CAS-No.: 470-82-6 EC-No.: 207-431-5	< 0,1	Flam. Liq. 3, H226 Skin Sens. 1B, H317

Comments : Calculation for aerosol classification labelling excludes propellant.

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 - 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. The following codes are assigned:. Press. Gas (Comp.), Press. Gas (Liq.), Press. Gas (Ref. Liq.), Press. Gas (Diss.). Aerosols shall not be classified as gases under pressure (See Annex I, Part 2, Section 2.3.2.1, Note 2).
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 general : Never give anything by mouth to an unconscious person. If medical advice is needed, have product container or label at hand.

First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

First-aid measures after skin contact : Remove contaminated clothes. Wash skin with plenty of water. Wash contaminated clothing before reuse.

First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

First-aid measures after ingestion : Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

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

Symptoms/effects : May cause drowsiness or dizziness. May produce an allergic reaction.

Symptoms/effects after inhalation : May cause drowsiness or dizziness.

Symptoms/effects after skin contact : Repeated exposure may cause skin dryness or cracking. May produce an allergic reaction.

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 : Carbon dioxide. Water spray. Dry powder. Foam.

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 : Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. Pressurised container: May burst if heated.

Hazardous decomposition products in case of fire : Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases.

5.3. Advice for firefighters

Firefighting instructions : Exercise caution when fighting any chemical fire.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

Other information : Prevent liquid from entering sewers, watercourses, underground or low areas.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Evacuate area. Eliminate every possible source of ignition. Ensure adequate ventilation, especially in confined areas. Keep public away from danger area. Equip cleanup crew with proper protection.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Dike for recovery or absorb with appropriate material. 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

For containment : Recover the product with absorbent material.
Methods for cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect it.

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 storage

7.1. Precautions for safe handling

Precautions for safe handling : Do not eat, drink or smoke when using this product. Provide good ventilation in process area to prevent formation of vapour. For further information refer to section 8: "Exposure controls/personal protection". Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use.
Hygiene measures : Wash contaminated clothing before reuse. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Provide local exhaust or general room ventilation.
Storage conditions : Keep out of frost.
Heat and ignition sources : Keep away from naked flames/heat. Keep away from ignition sources. Do not expose to temperatures exceeding 50 °C/ 122 °F.
Information on mixed storage : Keep away from food, drink and animal feeding stuffs.
Storage area : Store in a well-ventilated place. Store in a dry place.
Special rules on packaging : Store in original container.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

Hydrocarbons C9-C11 n-alkanes, isoalkanes, cyclics, <2% aromatics	
France - Occupational Exposure Limits	
VLEP 8h (OEL TWA)	1200 mg/m³
	197 ppm
n-butane (contenant <0.1% butadiène) (106-97-8)	
Austria - Occupational Exposure Limits	
MAK (OEL TWA)	1600 mg/m³
	800 ppm
MAK (OEL STEL)	3800 mg/m³
	1600 ppm
Belgium - Occupational Exposure Limits	
Local name	Butane, tous isomères: n-butane # Butaan, alle isomeren: n-butaan
OEL STEL	2370 mg/m³
	980 ppm
Regulatory reference	Koninklijk besluit/Arrêté royal 16/11/2023

n-butane (contenant <0.1% butadiène) (106-97-8)	
Denmark - Occupational Exposure Limits	
8-timers grænseværdi (OEL TWA)	1200 mg/m³
	500 ppm
Korttidsgrænseværdi (OEL STEL)	2400 mg/m³
	1000 ppm
Finland - Occupational Exposure Limits	
HTP (OEL TWA)	1900 mg/m³
	800 ppm
HTP (OEL STEL)	2400 mg/m³
	1000 ppm
France - Occupational Exposure Limits	
Local name	n-Butane
VLEP 8h (OEL TWA)	1900 mg/m³
	800 ppm
Remark	Valeurs recommandées/admises
Regulatory reference	Circulaire du Ministère du travail (réf.: INRS ED 984, 2016)
Germany - Occupational Exposure Limits (TRGS 900)	
AGW (OEL TWA)	2400 mg/m³
	1000 ppm
Hungary - Occupational Exposure Limits	
AK (OEL TWA)	2350 mg/m³
CK (OEL STEL)	9400 mg/m³
Ireland - Occupational Exposure Limits	
OEL STEL	1000 ppm
Latvia - Occupational Exposure Limits	
OEL TWA	300 mg/m³
Poland - Occupational Exposure Limits	
NDS (OEL TWA)	1900 mg/m³
NDSCh (OEL STEL)	3000 mg/m³
Spain - Occupational Exposure Limits	
VLA-ED (OEL TWA)	1935 mg/m³
	800 ppm
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA)	1450 mg/m³
	600 ppm
WEL STEL (OEL STEL)	1810 mg/m³
	750 ppm
Switzerland - Occupational Exposure Limits	
MAK (OEL TWA)	1900 mg/m³

n-butane (contenant <0.1% butadiène) (106-97-8)	
	800 ppm
KZGW (OEL STEL)	7600 mg/m³
	3200 ppm
USA - ACGIH® - Threshold Limit Values	
ACGIH® TLV® TWA	1900 mg/m³
	800 ppm

propane (74-98-6)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	1000 ppm
Austria - Occupational Exposure Limits	
MAK (OEL TWA)	1800 mg/m³
	1000 ppm
MAK (OEL STEL)	3600 mg/m³
	2000 ppm
Belgium - Occupational Exposure Limits	
OEL TWA	1000 ppm
Denmark - Occupational Exposure Limits	
8-timers grænseværdi (OEL TWA)	1800 mg/m³
	1000 ppm
Korttidsgrænseværdi (OEL STEL)	3600 mg/m³
	2000 ppm
Finland - Occupational Exposure Limits	
HTP (OEL TWA)	1500 mg/m³
	800 ppm
HTP (OEL STEL)	2000 mg/m³
	1100 ppm
Germany - Occupational Exposure Limits (TRGS 900)	
AGW (OEL TWA)	1800 mg/m³
	1000 ppm
Latvia - Occupational Exposure Limits	
OEL TWA	1800 mg/m³
	1000 ppm
Poland - Occupational Exposure Limits	
NDS (OEL TWA)	1800 mg/m³
Romania - Occupational Exposure Limits	
OEL TWA	1400 mg/m³
	778 ppm
OEL STEL	1800 mg/m³
	1000 ppm

propane (74-98-6)	
Spain - Occupational Exposure Limits	
VLA-ED (OEL TWA)	1000 ppm
Norway - Occupational Exposure Limits	
Grenseverdi (OEL TWA)	900 mg/m³
	500 ppm
Switzerland - Occupational Exposure Limits	
MAK (OEL TWA)	1800 mg/m³
	1000 ppm
KZGW (OEL STEL)	7200 mg/m³
	4000 ppm

isobutane (containing < 0,1% butadiene (203-450-8)) (75-28-5)	
Belgium - Occupational Exposure Limits	
Local name	Butane, tous isomères: iso-butane # Butaan, alle isomeren: iso-butaan
OEL STEL	2370 mg/m³
	980 ppm
Regulatory reference	Koninklijk besluit/Arrêté royal 16/11/2023
Finland - Occupational Exposure Limits	
HTP (OEL TWA)	1900 mg/m³
	800 ppm
HTP (OEL STEL)	2400 mg/m³
	1000 ppm
Germany - Occupational Exposure Limits (TRGS 900)	
AGW (OEL TWA)	2400 mg/m³
	1000 ppm
Ireland - Occupational Exposure Limits	
OEL STEL	1000 ppm
Switzerland - Occupational Exposure Limits	
MAK (OEL TWA)	1900 mg/m³
	800 ppm

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No additional information available

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:
Safety glasses. ISO 16321-1

8.2.2.2. Skin protection

Skin and body protection:
Wear suitable protective clothing

Hand protection:
Gloves. ISO 374-1

8.2.2.3. Respiratory protection

Respiratory protection:
Good ventilation of the workplace required. Where excessive vapour, mist, or dust may result, use approved respiratory protection equipment

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Colour	:	Pale yellow.
Odour	:	Not available
Odour threshold	:	Not available
Melting point	:	Not available
Freezing point	:	Not available
Boiling point	:	Not available
Flammability	:	Extremely flammable aerosol.
Explosive properties	:	Pressurised container: May burst if heated.
Explosive limits	:	Not available
Lower explosion limit	:	Not available
Upper explosion limit	:	Not available
Flash point	:	Not applicable
Auto-ignition temperature	:	Not available
Decomposition temperature	:	Not available
pH	:	Not available
Viscosity, kinematic	:	< 20,5 mm²/s (PA 40°C)
Solubility	:	Not available
Partition coefficient n-octanol/water (Log Kow)	:	Not available
Vapour pressure	:	Not available
Vapour pressure at 50°C	:	Not available
Density	:	Not available
Relative density	:	0,8 (PA)
Relative vapour density at 20°C	:	Not available
Particle characteristics	:	Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

% of flammable ingredients : 96,1 %

9.2.2. Other safety characteristics

VOC content : 97,4 %

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under normal conditions. Contains gas under pressure; may explode if heated.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Heat. Open flame. Sparks. Water, humidity. Freezing.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases.

SECTION 11: Toxicological information

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

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

Hydrocarbons C9-C11 n-alkanes, isoalkanes, cyclics, <2% aromatics	
LD50 dermal rabbit	> 5000 mg/kg
LC50 Inhalation - Rat (Vapours)	> 4951 mg/l/4h

n-butane (contenant <0.1% butadiène) (106-97-8)	
LC50 Inhalation - Rat	658 mg/l/4h
LC50 Inhalation - Rat (Vapours)	658 mg/l/4h

propane (74-98-6)	
LC50 Inhalation - Rat [ppm]	> 800000 ppm

isobutane (containing < 0,1% butadiene (203-450-8)) (75-28-5)	
LC50 Inhalation - Rat	> 50 mg/l/4h

Cineole (470-82-6)	
LD50 oral rat	2480 mg/kg

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : May cause drowsiness or dizziness.

Hydrocarbons C9-C11 n-alkanes, isoalkanes, cyclics, <2% aromatics	
STOT-single exposure	May cause drowsiness or dizziness.

STOT-repeated exposure : Not classified
Aspiration hazard : May be fatal if swallowed and enters airways.

ANTI RONGEURS	
Vaporizer	Aerosol
Viscosity, kinematic	< 20,5 mm²/s (PA 40°C)

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short–term (acute) : Not classified
Hazardous to the aquatic environment, long–term (chronic) : Not classified

Hydrocarbons C9-C11 n-alkanes, isoalkanes, cyclics, <2% aromatics	
LC50 - Fish [1]	> 1000 mg/l
EC50 - Crustacea [1]	> 1000 mg/l

n-butane (contenant <0.1% butadiène) (106-97-8)	
LC50 - Fish [1]	680 mg/l

propane (74-98-6)	
LC50 - Fish [1]	49,9 mg/l
EC50 96h - Algae [1]	11,89 mg/l

isobutane (containing < 0,1% butadiene (203-450-8)) (75-28-5)	
LC50 - Fish [1]	91,42 mg/l
EC50 - Crustacea [1]	69,43 mg/l (Daphnia sp.)
EC50 96h - Algae [1]	19,37 mg/l

Cineole (470-82-6)	
LC50 - Fish [1]	102000 µg/l

12.2. Persistence and degradability

propane (74-98-6)	
Persistence and degradability	Readily biodegradable.

isobutane (containing < 0,1% butadiene (203-450-8)) (75-28-5)	
Persistence and degradability	Readily biodegradable.

Cineole (470-82-6)	
Persistence and degradability	Readily biodegradable.
Biodegradation	82 %

12.3. Bioaccumulative potential

Hydrocarbons C9-C11 n-alkanes, isoalkanes, cyclics, <2% aromatics	
Partition coefficient n-octanol/water (Log Pow)	6,7

n-butane (contenant <0.1% butadiène) (106-97-8)	
Bioaccumulative potential	not bioaccumulable.

propane (74-98-6)	
Partition coefficient n-octanol/water (Log Pow)	1,09

isobutane (containing < 0,1% butadiene (203-450-8)) (75-28-5)	
Partition coefficient n-octanol/water (Log Pow)	1,09

Cineole (470-82-6)	
Partition coefficient n-octanol/water (Log Pow)	2,74

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Sewage disposal recommendations : Do not discharge into drains or the environment.

Product/Packaging disposal recommendations : Collect all waste in suitable and labelled containers and dispose according to local legislation. Dispose used or damaged aerosol cans at permitted disposal sites.

Additional information : Empty the packaging completely prior to disposal. Do not re-use empty containers.

Ecological waste information : Do not discharge the product into the environment.

European List of Waste (LoW, EC 2000/532) : 16 05 04* - gases in pressure containers (including halons) containing dangerous substances

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / RID

ADR	IMDG	IATA	RID
14.1. UN number or ID number			
UN 1950	UN 1950	UN 1950	UN 1950

ADR	IMDG	IATA	RID
14.2. UN proper shipping name			
AEROSOLS	AEROSOLS	Aerosols, flammable	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
14.3. Transport hazard class(es)			
2.1	2.1	2.1	2.1
			
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	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) : 1l
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
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
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

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

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, LP200
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. 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

15.1.1. EU-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)

Ozone Regulation (1005/2009)

Not listed on the Ozone Depletion list (Regulation EU 2024/590)
Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

VOC Directive (2004/42)

VOC content : 97,4 %

Seveso Directive (Disaster Risk Reduction)

Seveso III Part I (Categories of dangerous substances)	Qualifying quantity (tonnes)	
	Lower-tier	Upper-tier
P3a FLAMMABLE AEROSOLS 'Flammable' aerosols Category 1 or 2, containing flammable gases Category 1 or 2 or flammable liquids Category 1	150	500

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)

15.1.2. National regulations

Austria

Ordinance on Flammable Liquids (VbF) : Auto detect

France

Occupational diseases	
Code	Description
RG 84	Conditions caused by liquid organic solvents for professional use: saturated or unsaturated aliphatic or cyclic liquid hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrated derivatives of aliphatic hydrocarbons; alcohols; glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahydrofuran; esters; dimethylformamide and dimethylacetamine; acetonitrile and propionitrile; pyridine; dimethylsulfone and dimethylsulfoxide

Germany

Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG).
Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG).

Water hazard class (WGK) : WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1).

Override matching entry (12. BImSchV) : Is not subject to the Major Accidents Ordinance (12. BImSchV)

Netherlands

SZW List of Carcinogenic Substances : None of the components are listed

SZW List of Mutagenic Substances : None of the components are listed

SZW List of Reprotoxic Substances – Breastfeeding : None of the components are listed

SZW List of Reprotoxic Substances – Fertility : None of the components are listed

SZW List of Reprotoxic Substances – Development : None of the components are listed

Denmark

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product

Switzerland

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

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:	
Aerosol 1	Aerosol, Category 1
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Gas 1A	Flammable gases, Category 1A
Flam. Liq. 3	Flammable liquids, Category 3
Press. Gas (Liq.)	Gases under pressure : Liquefied gas
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1B	Skin sensitisation, category 1B
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis
H220	Extremely flammable gas.

Full text of H- and EUH-statements:	
H222	Extremely flammable aerosol.
H226	Flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking.
EUH208	Contains CITRONELLOL, Cineole. May produce an allergic reaction.

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.