

MULTI SPRAY

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
 Issue date: 03.06.2015 Revision date: 05.06.2020 Supersedes: 03.06.2016 Version: 3.0

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

1.1. Product identifier

Product form : Mixture
 Product name : MULTI SPRAY
 Product code : AE00A40
 Type of product : Aerosols

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

1.2.1. Relevant identified uses

Intended for general public

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

AKKIM YAPI KIMYASALLARI SANAYI VE TICARET A.S
 E-mail address of competent person responsible for the SDS : nilufer.ergin@akkim.net

1.4. Emergency telephone number

Emergency number : +90 2127711371 (9:00 am - 17:00 pm GMT+2)

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre, Wolfson Unit	Claremont Place Newcastle-upon-Tyne NE1 4LP Newcastle	0344 892 0111	

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
 Skin sensitisation, Category 1 H317
 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. May cause an allergic skin reaction.
 Harmful to aquatic life with long lasting effects.

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS02 GHS07

Signal word (CLP) :

Danger

Hazardous ingredients :

Essential oil of orange obtained from the peel of Citrus sinensis (Rutaceae) by expression and/or distillation, including cold pressed, distilled, terpenes and essence qualities;
 Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclic, <2% aromatics

Hazard statements (CLP) :

H222 - Extremely flammable aerosol.
 H229 - Pressurised container: May burst if heated.
 H317 - May cause an allergic skin reaction.
 H412 - Harmful to aquatic life with long lasting effects.

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Precautionary statements (CLP)	: P102 - Keep out of reach of children. P210 - Keep away from heat, hot surfaces, open flames, sparks. No smoking. P211 - Do not spray on an open flame or other ignition source. P251 - Do not pierce or burn, even after use. P261 - Avoid breathing gas, spray, vapours. P280 - Wear protective gloves. P302+P352 - IF ON SKIN: Wash with plenty of water. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C, 122 °F. P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
Child-resistant fastening	: Not applicable
Tactile warning	: Not applicable

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]
Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclic, <2% aromatics (Note P)	(CAS-No.) 64742-48-9 (EC-No.) 265-150-3 (EC Index-No.) 649-327-00-6	45 – 55	Asp. Tox. 1, H304
Carbon dioxide substance with a Community workplace exposure limit	(CAS-No.) 124-38-9 (EC-No.) 204-696-9	< 10	Press. Gas (Comp.), H280
Essential oil of orange obtained from the peel of Citrus sinensis (Rutaceae) by expression and/or distillation, including cold pressed, distilled, terpenes and essence qualities	(CAS-No.) 8028-48-6 (EC-No.) 232-433-8	< 10	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Chronic 2, H411

Note P : The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7). When the substance is not classified as a carcinogen at least the precautionary statements (P102-)P260-P262- P301 + P310-P331 (Table 3.1) or the S-phrases (2-)23-24-62 (Table 3.2) shall apply. This note applies only to certain complex oil-derived substances in Part 3.

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Call a poison center or a doctor if you feel unwell.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.
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	: May cause drowsiness or dizziness.
Symptoms/effects after skin contact	: May cause an allergic skin 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 : Water spray. Dry powder. Foam.

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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 : Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.

6.1.2. 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".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Mechanically recover the product.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : 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. Do not pierce or burn, even after use. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. Wear personal protective equipment.
Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. 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 locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Carbon dioxide (124-38-9)	
EU - Occupational Exposure Limits	
Local name	Carbon dioxide
IOELV TWA (mg/m ³)	9000 mg/m ³
IOELV TWA (ppm)	5000 ppm
Regulatory reference	COMMISSION DIRECTIVE 2006/15/EC
Austria - Occupational Exposure Limits	
Local name	Kohlenstoffdioxid
MAK (mg/m ³)	9000 mg/m ³
MAK (ppm)	5000 ppm
MAK Short time value (mg/m ³)	18000 mg/m ³ (3x 60(Mow) min)
MAK Short time value (ppm)	10000 ppm (3x 60(Mow) min)

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Carbon dioxide (124-38-9)	
Regulatory reference	BGBl. II Nr. 238/2018
Belgium - Occupational Exposure Limits	
Local name	Carbone (dioxyde de) # Koolstofdioxyde
Limit value (mg/m ³)	9131 mg/m ³
Limit value (ppm)	5000 ppm
Short time value (mg/m ³)	54784 mg/m ³
Short time value (ppm)	30000 ppm
Regulatory reference	Koninklijk besluit/Arrêté royal 21/01/2020
Bulgaria - Occupational Exposure Limits	
Local name	Въглероден диоксид
OEL TWA (mg/m ³)	9000 mg/m ³
OEL TWA (ppm)	5000 ppm
Croatia - Occupational Exposure Limits	
Local name	Ugljikov dioksid
GVI (granična vrijednost izloženosti) (mg/m ³)	9000 mg/m ³
GVI (granična vrijednost izloženosti) (ppm)	5000 ppm
Naznake (HR)	Direktiva: 2006/15/EZ
Cyprus - Occupational Exposure Limits	
Local name	Διοξειδίο του άνθρακα
OEL TWA (mg/m ³)	9000 mg/m ³
OEL TWA (ppm)	5000 ppm
Regulatory reference	Κανονισμοί του 2007 (Κ.Δ.Π. 295/2007)
Czech Republic - Occupational Exposure Limits	
Local name	Oxid uhličitý
Expoziční limity (PEL) (mg/m ³)	9000 mg/m ³
Expoziční limity (PEL) (ppm)	5000 ppm
Expoziční limity (NPK-P) (mg/m ³)	45000 mg/m ³
Expoziční limity (NPK-P) (ppm)	25020 ppm
Regulatory reference	Nařízení vlády č. 361/2007 Sb. (zpracovány změny č. 246/2018 Sb.)
Denmark - Occupational Exposure Limits	
Local name	Carbondioxid (Kuldioxid; Kulsyre)
Grænseværdi (langvarig) (mg/m ³)	9000 mg/m ³
Grænseværdi (langvarig) (ppm)	5000 ppm
Anmærkninger (DK)	E (betyder, at stoffet har en EF-grænseværdi)
Regulatory reference	BEK nr 1458 af 13/12/2019
Estonia - Occupational Exposure Limits	
Local name	Süsinikdioksiid
OEL TWA (mg/m ³)	9000 mg/m ³
OEL TWA (ppm)	5000 ppm
Finland - Occupational Exposure Limits	
Local name	Hiilidioksiidi
HTP-arvo (8h) (mg/m ³)	9100 mg/m ³

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Carbon dioxide (124-38-9)	
HTP-arvo (8h) (ppm)	5000 ppm
Regulatory reference	HTP-ARVOT 2018 (Sosiaali- ja terveysministeriö)
France - Occupational Exposure Limits	
Local name	Carbone (dioxyde de)
VME (mg/m ³)	9000 mg/m ³
VME (ppm)	5000 ppm
Note (FR)	Valeurs réglementaires indicatives
Regulatory reference	Arrêté du 30 juin 2004 modifié (réf.: INRS ED 984, 2016)
Germany - Occupational Exposure Limits (TRGS 900)	
TRGS 900 Local name	Kohlenstoffdioxid
Occupational exposure limit value (mg/m ³)	9100 mg/m ³
Occupational exposure limit value (ppm)	5000 ppm
Limitation of exposure peaks	2(II)
TRGS 900 Remark	DFG;EU
TRGS 900 Regulatory reference	TRGS900
Gibraltar - Occupational Exposure Limits	
Name of agent	Carbon dioxide
Eight hours mg/m ³	9000 mg/m ³
Eight hours ppm	5000 ppm
Regulatory reference	Factories (Control of Chemical Agents at Work) Regulations 2003 (LN. 2018/181)
Greece - Occupational Exposure Limits	
Local name	Διοξείδιο του άνθρακα
OEL TWA (mg/m ³)	9000 mg/m ³
OEL TWA (ppm)	5000 ppm
OEL STEL (mg/m ³)	54000 mg/m ³
Hungary - Occupational Exposure Limits	
Local name	SZÉN-DIOXID
AK-érték	9000 mg/m ³
Ireland - Occupational Exposure Limits	
Local name	Carbon dioxide
OEL (8 hours ref) (mg/m ³)	9000 mg/m ³
OEL (8 hours ref) (ppm)	5000 ppm
Notes (IE)	IOELV (Indicative Occupational Exposure Limit Values)
Regulatory reference	Chemical Agents Code of Practice 2020
Italy - Occupational Exposure Limits	
Local name	Anidride carbonica
OEL TWA (mg/m ³)	9000 mg/m ³
OEL TWA (ppm)	5000 ppm
Regulatory reference	Allegato XXXVIII del D.Lgs. 9 aprile 2008, n. 81 e s.m.i.
Latvia - Occupational Exposure Limits	
Local name	Oglekļa dioksīds
OEL TWA (mg/m ³)	9000 mg/m ³

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Carbon dioxide (124-38-9)	
OEL TWA (ppm)	5000 ppm
Regulatory reference	Ministru kabineta 2007. gada 15. maija noteikumiem Nr. 325 (Grozījumi Ministru kabineta 2011. gada 1. februārī noteikumiem Nr. 92)
Lithuania - Occupational Exposure Limits	
Local name	Anglies dioksīdas
IPRV (mg/m ³)	9000 mg/m ³
IPRV (ppm)	5000 ppm
Luxembourg - Occupational Exposure Limits	
Local name	Dioxyde de carbone
OEL TWA (mg/m ³)	9000 mg/m ³
OEL TWA (ppm)	5000 ppm
Malta - Occupational Exposure Limits	
Local name	Carbon dioxide
OEL TWA (mg/m ³)	9000 mg/m ³
OEL TWA (ppm)	5000 ppm
Netherlands - Occupational Exposure Limits	
Local name	Kooldioxide
Grenswaarde TGG 8H (mg/m ³)	9000 mg/m ³
Regulatory reference	Arbeidsomstandighedenregeling 2020
Poland - Occupational Exposure Limits	
Local name	Ditlenek węgla
NDS (mg/m ³)	9000 mg/m ³
NDSCh (mg/m ³)	27000 mg/m ³
Regulatory reference	Dz. U. 2018 poz. 1286
Portugal - Occupational Exposure Limits	
Local name	Dióxido de carbono
OEL TWA (ppm)	5000 ppm
OEL STEL (ppm)	30000 ppm
Regulatory reference	Norma Portuguesa NP 1796:2014
Romania - Occupational Exposure Limits	
Local name	Dioxid de carbon
OEL TWA (mg/m ³)	9000 mg/m ³
OEL TWA (ppm)	5000 ppm
Regulatory reference	Hotărârea Guvernului nr. 1.218/2006 (Hotărârea nr. 157/2020)
Serbia - Occupational Exposure Limits	
Local name	угљен-диоксид
OEL TWA (mg/m ³)	9000 mg/m ³
OEL TWA (ppm)	5000 ppm
Slovakia - Occupational Exposure Limits	
Local name	Oxid uhličitéy
NPHV (priemerná) (mg/m ³)	9000 mg/m ³
NPHV (priemerná) (ppm)	5000 ppm
Regulatory reference	Nariadenie vlády č. 33/2018 Z. z.

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Carbon dioxide (124-38-9)	
Slovenia - Occupational Exposure Limits	
Local name	ogljikov dioksid
OEL TWA (mg/m ³)	9000 mg/m ³
OEL TWA (ppm)	5000 ppm
OEL STEL (mg/m ³)	18000 mg/m ³
OEL STEL (ppm)	10000 ppm
Remark (SI)	EU
Regulatory reference	Uradni list RS, št. 78/2019 z dne 20.12.2019
Spain - Occupational Exposure Limits	
Local name	Dióxido de carbono
VLA-ED (mg/m ³)	9150 mg/m ³
VLA-ED (ppm)	5000 ppm
Sweden - Occupational Exposure Limits	
Local name	Koldioxid
nivågränsvärde (NVG) (mg/m ³)	9000 mg/m ³
nivågränsvärde (NVG) (ppm)	5000 ppm
kortidsvärde (KTV) (mg/m ³)	18000 mg/m ³
kortidsvärde (KTV) (ppm)	10000 ppm
United Kingdom - Occupational Exposure Limits	
Local name	Carbon dioxide
WEL TWA (mg/m ³)	9150 mg/m ³
WEL TWA (ppm)	5000 ppm
WEL STEL (mg/m ³)	27400 mg/m ³
WEL STEL (ppm)	15000 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
Iceland - Occupational Exposure Limits	
Local name	Koldíoxíð (koltvísýringur, kolsýra)
OEL (8 hours ref) (mg/m ³)	9000 mg/m ³
OEL (8 hours ref) (ppm)	5000 ppm
Regulatory reference	Reglugerð um mengunarmörk og aðgerðir til að draga úr mengun á vinnustöðum (Nr. 390/2009)
Norway - Occupational Exposure Limits	
Local name	Karbondioksid
Grenseverdier (AN) (mg/m ³)	9000 mg/m ³
Grenseverdier (AN) (ppm)	5000 ppm
Merknader (NO)	E (EU har en veiledende grenseverdi for stoffet)
Regulatory reference	FOR-2018-08-21-1255
Switzerland - Occupational Exposure Limits	
Local name	Gaz carbonique / Kohlendioxid [Kohlenstoffdioxid]
MAK (mg/m ³)	9000 mg/m ³
MAK (ppm)	5000 ppm
Critical toxicity	Asphyxie / Asphyxie
Remark	NIOSH

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Carbon dioxide (124-38-9)	
Regulatory reference	www.suva.ch, 01.01.2020
Turkey - Occupational Exposure Limits	
Local name	Karbondioksit
OEL TWA (mg/m ³)	9000 mg/m ³
OEL TWA (ppm)	5000 ppm
Regulatory reference	12 Ağustos 2013 Tarihli ve 28733 Sayılı Resmî Gazete
USA - ACGIH - Occupational Exposure Limits	
Local name	Carbon dioxide
ACGIH TWA (ppm)	5000 ppm
ACGIH STEL (ppm)	30000 ppm
Remark (ACGIH)	TLV® Basis: Asphyxia
Regulatory reference	ACGIH 2020
Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclic, <2% aromatics (64742-48-9)	
EU - Occupational Exposure Limits	
Local name	White spirit Type 3
IOELV TWA (mg/m ³)	116 mg/m ³
IOELV TWA (ppm)	20 ppm
IOELV STEL (mg/m ³)	290 mg/m ³
IOELV STEL (ppm)	50 ppm
Notes	Skin. (Year of adoption 2007)
Regulatory reference	SCOEL Recommendations
Poland - Occupational Exposure Limits	
Local name	Benzyna do lakierów
NDS (mg/m ³)	300 mg/m ³
NDSch (mg/m ³)	900 mg/m ³
Regulatory reference	Dz. U. 2018 poz. 1286
Switzerland - Occupational Exposure Limits	
Local name	Naphta lourde (pétrole), hydrotraité / Naphtha (Erdöl), mit Wasserstoff behandelte, schwere
MAK (mg/m ³)	300 mg/m ³
MAK (ppm)	50 ppm
KZGW (mg/m ³)	600 mg/m ³
KZGW (ppm)	100 ppm
Critical toxicity	SNC / ZNS
Regulatory reference	www.suva.ch, 01.01.2020

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Hand protection:

Protective gloves

Eye protection:

EN 166. Chemical goggles or safety glasses.

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Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):



Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Gas
Appearance	: Liquid under pressure.
Colour	: Light yellow.
Odour	: Lemon odour.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: < 60 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Extremely flammable aerosol.
Vapour pressure	: 5 bar
Vapour pressure at 50 °C	: 8 bar
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 0.79 g/cm ³
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 : 40 g/l

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.

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10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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

Essential oil of orange obtained from the peel of *Citrus sinensis* (Rutaceae) by expression and/or distillation, including cold pressed, distilled, terpenes and essence qualities (8028-48-6)

LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Guideline: other:Federal Hazardous Substance Act (FHSA)
LD50 dermal rabbit	> 5000 mg/kg bodyweight Animal: rabbit, Animal sex: female, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: other:Federal Hazardous Substance Act (FHSA)

Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclic, <2% aromatics (64742-48-9)

LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
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Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitisation : May cause an allergic skin reaction.
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified.
STOT-repeated exposure : Not classified
Aspiration hazard : Not classified

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Vaporizer	Aerosol
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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.

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

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

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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






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SECTION 14: Transport information

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

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	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	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
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
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

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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
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. 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 : 40 g/l

15.1.2. National regulations

Germany

Regulatory reference : WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1)

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)

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

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Netherlands

SZW-lijst van kankerverwekkende stoffen	: Essential oil of orange obtained from the peel of Citrus sinensis (Rutaceae) by expression and/or distillation, including cold pressed, distilled, terpenes and essence qualities, Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics are listed
SZW-lijst van mutagene stoffen	: Essential oil of orange obtained from the peel of Citrus sinensis (Rutaceae) by expression and/or distillation, including cold pressed, distilled, terpenes and essence qualities, Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding	: None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid	: None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling	: None of the components are listed

Denmark

Class for fire hazard	: Class III-1
Store unit	: 50 liter
Classification remarks	: Flammable according to the Danish Ministry of Justice; Emergency management guidelines for the storage of flammable liquids must be followed
Danish National Regulations	: Young people below the age of 18 years are not allowed to use the product

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

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
BLV	Biological limit value
CAS-No.	Chemical Abstract Service number
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
EC-No.	European Community number
EN	European Standard
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
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet

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vPvB	Very Persistent and Very Bioaccumulative
WGK	Water Hazard Class

Full text of H- and EUH-statements:	
Aerosol 1	Aerosol, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Flam. Liq. 3	Flammable liquids, Category 3
Press. Gas (Comp.)	Gases under pressure : Compressed gas
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
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.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

AKKIM SDS EU

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