

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### 5295 Turbo air refresher Laundry 600 ml

Revision date: 06.02.2024

Product code: 70673

Page 1 of 19

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

### 1.1. Product identifier

5295 Turbo air refresher Laundry 600 ml

UFI: 8MQ9-C635-0008-6MHS

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

#### Use of the substance/mixture

AIR FRESHENERS AEROSOL (aqueous, non-aqueous, concentrated (mini-aerosol)) for consumer use

### 1.3. Details of the supplier of the safety data sheet

Company name:	Kisling (Deutschland) GmbH	
Street:	Salzstraße 15	
Place:	D-74676 Niedernhall	
Telephone:	+49 7940 50961 61	
E-mail:	technical.support@kisling.com	
Contact person:	Dr. Hans Götz	Telephone: +49 7940 5096 143
E-mail:	compliance@kisling.com	
Internet:	www.kisling.com	

### 1.4. Emergency telephone number:

24 hr. emergency phone number +1 872 5888271 (KAR)  
Medicines & Poisons Info Office +356 2545 6508

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Regulation (EC) No 1272/2008

Aerosol 1; H222-H229  
Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

### 2.2. Label elements

#### Regulation (EC) No 1272/2008

Signal word: Danger

#### Pictograms:



#### Hazard statements

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H412	Harmful to aquatic life with long lasting effects.

#### Precautionary statements

P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

#### Special labelling of certain mixtures

EUH208	Contains Hexyl salicylate, Octahydro tetramethyl acetone, 2-methylundecanal, Dodecanal, 3-P-Cumenyl-2-methylpropionaldehyde, Citronellol. May produce an allergic reaction.
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## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### 5295 Turbo air refresher Laundry 600 ml

Revision date: 06.02.2024

Product code: 70673

Page 2 of 19

#### 2.3. Other hazards

No data available

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Chemical characterization

Mixtures

##### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
18479-58-8	2,6-dimethyloct-7-en-2-ol			0.1 - < 1 %
	242-362-4			
	Skin Irrit. 2, Eye Irrit. 2; H315 H319			
63500-71-0	cis/trans-tetrahydro-2-isobutyl-4-methylpyran-4-ol			0.1 - < 1 %
	405-040-6		01-0000015458-64	
	Eye Irrit. 2; H319			
6259-76-3	Hexyl salicylate			0.1 - < 1 %
	228-408-6		01-2119638275-36	
	Skin Sens. 1B, Aquatic Acute 1, Aquatic Chronic 1; H317 H400 H410			
54464-57-2	Octahydro tetramethyl acetone			0.1 - < 1 %
	259-174-3			
	Skin Irrit. 2, Skin Sens. 1, Aquatic Chronic 1; H315 H317 H410			
110-41-8	2-methylundecanal			< 0.1 %
	203-765-0			
	Skin Irrit. 2, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1; H315 H317 H400 H410			
103-95-7	3-P-Cumenyl-2-methylpropionaldehyde			< 0.1 %
	203-161-7			
	Skin Irrit. 2, Skin Sens. 1, Aquatic Chronic 3; H315 H317 H412			
112-54-9	Dodecanal			< 0.1 %
	203-983-6			
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1; H315 H319 H317			
106-22-9	Citronellol			< 0.1 %
			01-2119453995-23	
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1; H315 H319 H317			

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

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### 5295 Turbo air refresher Laundry 600 ml

Revision date: 06.02.2024

Product code: 70673

Page 3 of 19

#### Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
18479-58-8	242-362-4	2,6-dimethyloct-7-en-2-ol	0.1 - < 1 %
		oral: LD50 = 4100 mg/kg	
63500-71-0	405-040-6	cis/trans-tetrahydro-2-isobutyl-4-methylpyran-4-ol	0.1 - < 1 %
		dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 2000 mg/kg	
6259-76-3	228-408-6	Hexyl salicylate	0.1 - < 1 %
		dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5000 mg/kg	
54464-57-2	259-174-3	Octahydro tetramethyl acetone	0.1 - < 1 %
		dermal: LD50 = >5000 mg/kg; oral: LD50 = >5000 mg/kg	
110-41-8	203-765-0	2-methylundecanal	< 0.1 %
		oral: LD50 = > 5000 mg/kg	
103-95-7	203-161-7	3-P-Cumenyl-2-methylpropionaldehyde	< 0.1 %
		dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 2000 - < 5000 mg/kg	
112-54-9	203-983-6	Dodecanal	< 0.1 %
		dermal: LD50 = > 2000 mg/kg; oral: LD50 = 23100 mg/kg	

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). First aider: Pay attention to self-protection! Never give anything by mouth to an unconscious person or a person with cramps. Remove contaminated, saturated clothing immediately.

#### After inhalation

Provide fresh air. If breathing is irregular or stopped, administer artificial respiration. Medical treatment necessary. Remove casualty to fresh air and keep warm and at rest. Consult a doctor immediately in the case of inhaling spray mist and show him packing or label. Put victim at rest, cover with a blanket and keep warm.

#### After contact with skin

Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention. After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, consult a physician.

#### After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. Protect uninjured eye. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

#### After ingestion

Observe risk of aspiration if vomiting occurs. Rinse mouth immediately and drink 1 glass of water. Seek medical advice immediately. If unconscious but breathing normally, place in recovery position and seek medical advice. Do NOT induce vomiting.

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

No data available

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

Treat symptomatically. No data available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Carbon dioxide (CO<sub>2</sub>), Foam, Extinguishing powder. Carbon dioxide (CO<sub>2</sub>), Dry extinguishing powder, Foam.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### 5295 Turbo air refresher Laundry 600 ml

Revision date: 06.02.2024

Product code: 70673

Page 4 of 19

#### Unsuitable extinguishing media

Water. Full water jet.

#### **5.2. Special hazards arising from the substance or mixture**

Extremely flammable aerosol. Pressurized container: May burst if heated. Vapours can form explosive mixtures with air. In case of fire and/or explosion do not breathe fumes.

#### **5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus. In case of fire: Wear self-contained breathing apparatus.

#### **Additional information**

Use water spray jet to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. In case of fire and/or explosion do not breathe fumes. Use water spray jet to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

### SECTION 6: Accidental release measures

#### **6.1. Personal precautions, protective equipment and emergency procedures**

##### **General advice**

Remove all sources of ignition. Remove all sources of ignition. Provide adequate ventilation.

#### **6.2. Environmental precautions**

Do not allow uncontrolled discharge of product into the environment. Explosion risk. Do not allow to enter into surface water or drains.

#### **6.3. Methods and material for containment and cleaning up**

##### **For cleaning up**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

##### **Other information**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Collect in closed and suitable containers for disposal. Clear contaminated areas thoroughly.

#### **6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13 Safe handling: see section 7. Personal protection equipment: see section 8.

### SECTION 7: Handling and storage

#### **7.1. Precautions for safe handling**

##### **Advice on safe handling**

Do not pierce or burn, even after use. Use only in well-ventilated areas. Keep away from sources of ignition - No smoking. Flammable vapours can accumulate in head space of closed systems. Caution! Transport usually takes place at temperatures above the flash point.

##### **Advice on protection against fire and explosion**

Do not spray on naked flames or any incandescent material. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. Vapours can form explosive mixtures with air. Take precautionary measures against static discharges. Vapours can form explosive mixtures with air.

##### **Advice on general occupational hygiene**

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff. Do not breathe gas/vapour/aerosol. Avoid contact with skin, eyes and clothes. When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Take off contaminated clothing and wash it before reuse.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### 5295 Turbo air refresher Laundry 600 ml

Revision date: 06.02.2024

Product code: 70673

Page 5 of 19

#### Further information on handling

15 - 35°C

#### 7.2. Conditions for safe storage, including any incompatibilities

##### Requirements for storage rooms and vessels

Keep container tightly closed. Keep in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed in a cool, well-ventilated place.

##### Hints on joint storage

Do not store together with: Oxidizing agent. Pyrophoric or self-heating substances. Do not store together with: Material, oxygen-rich, Oxidising. Pyrophoric or self-heating substances.

##### Further information on storage conditions

Keep away from heat.

#### 7.3. Specific end use(s)

Observe technical data sheet.

## SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### 5295 Turbo air refresher Laundry 600 ml

Revision date: 06.02.2024

Product code: 70673

Page 6 of 19

#### DNEL/DMEL values

CAS No	Name of agent		
DNEL type	Exposure route	Effect	Value
18479-58-8	2,6-dimethyloct-7-en-2-ol		
Worker DNEL, long-term	inhalation	systemic	24,7 mg/m <sup>3</sup>
Worker DNEL, long-term	dermal	systemic	7 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	4,35 mg/m <sup>3</sup>
Consumer DNEL, long-term	dermal	systemic	2,5 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	2,5 mg/kg bw/day
63500-71-0	cis/trans-tetrahydro-2-isobutyl-4-methylpyran-4-ol		
Worker DNEL, long-term	inhalation	systemic	44,1 mg/m <sup>3</sup>
Worker DNEL, long-term	dermal	systemic	41,7 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	13 mg/m <sup>3</sup>
Consumer DNEL, long-term	dermal	systemic	25 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	7,5 mg/kg bw/day
6259-76-3	Hexyl salicylate		
Worker DNEL, long-term	inhalation	systemic	1,7 mg/m <sup>3</sup>
Worker DNEL, long-term	dermal	systemic	6,4 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	0,4 mg/m <sup>3</sup>
Consumer DNEL, long-term	dermal	systemic	3,2 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	0,3 mg/kg bw/day
110-41-8	2-methylundecanal		
Worker DNEL, long-term	inhalation	systemic	36,89 mg/m <sup>3</sup>
Worker DNEL, acute	inhalation	systemic	352,63 mg/m <sup>3</sup>
Worker DNEL, long-term	inhalation	local	92,21 mg/m <sup>3</sup>
Worker DNEL, acute	inhalation	local	881,58 mg/m <sup>3</sup>
Worker DNEL, long-term	dermal	systemic	10,46 mg/kg bw/day
Worker DNEL, acute	dermal	systemic	100 mg/kg bw/day
Worker DNEL, long-term	dermal	local	35,7 mg/cm <sup>2</sup>
Worker DNEL, acute	dermal	local	71,43 mg/cm <sup>2</sup>
Consumer DNEL, long-term	inhalation	systemic	9,1 mg/m <sup>3</sup>
Consumer DNEL, acute	inhalation	systemic	86,96 mg/m <sup>3</sup>
Consumer DNEL, long-term	inhalation	local	22,74 mg/m <sup>3</sup>
Consumer DNEL, acute	inhalation	local	217,39 mg/m <sup>3</sup>
Consumer DNEL, long-term	dermal	systemic	5,23 mg/kg bw/day
Consumer DNEL, acute	dermal	systemic	50 mg/kg bw/day
Consumer DNEL, long-term	dermal	local	17,86 mg/cm <sup>2</sup>
Consumer DNEL, acute	dermal	local	35,71 mg/cm <sup>2</sup>
Consumer DNEL, long-term	oral	systemic	5,23 mg/kg bw/day
Consumer DNEL, acute	oral	systemic	25 mg/kg bw/day
103-95-7	3-P-Cumenyl-2-methylpropionaldehyde		

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### 5295 Turbo air refresher Laundry 600 ml

Revision date: 06.02.2024

Product code: 70673

Page 7 of 19

Worker DNEL, long-term	inhalation	systemic	1,23 mg/m <sup>3</sup>
Worker DNEL, long-term	dermal	systemic	0,35 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	0,22 mg/m <sup>3</sup>
Consumer DNEL, long-term	dermal	systemic	0,13 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	0,13 mg/kg bw/day
112-54-9	Dodecanal		
Worker DNEL, long-term	inhalation	systemic	49,7 mg/m <sup>3</sup>
Worker DNEL, long-term	dermal	systemic	14,1 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	12,3 mg/m <sup>3</sup>
Consumer DNEL, long-term	dermal	systemic	7 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	7 mg/kg bw/day
106-22-9	Citronellol		
Worker DNEL, long-term	inhalation	systemic	161,6 mg/m <sup>3</sup>
Worker DNEL, long-term	inhalation	local	10 mg/m <sup>3</sup>
Worker DNEL, acute	inhalation	local	10 mg/m <sup>3</sup>
Worker DNEL, long-term	dermal	systemic	327,4 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	47,8 mg/m <sup>3</sup>
Consumer DNEL, long-term	inhalation	local	10 mg/m <sup>3</sup>
Consumer DNEL, acute	inhalation	local	10 mg/m <sup>3</sup>
Consumer DNEL, long-term	dermal	systemic	196,4 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	13,8 mg/kg bw/day

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### 5295 Turbo air refresher Laundry 600 ml

Revision date: 06.02.2024

Product code: 70673

Page 8 of 19

#### PNEC values

CAS No	Name of agent	Value
Environmental compartment		
18479-58-8	2,6-dimethyloct-7-en-2-ol	
Freshwater		0,0278 mg/l
Freshwater (intermittent releases)		0,278 mg/l
Marine water		0,00278 mg/l
Freshwater sediment		0,594 mg/kg
Marine sediment		0,059 mg/kg
Secondary poisoning		111 mg/kg
Micro-organisms in sewage treatment plants (STP)		10 mg/l
Soil		0,103 mg/kg
63500-71-0	cis/trans-tetrahydro-2-isobutyl-4-methylpyran-4-ol	
Freshwater		0,094 mg/l
Freshwater (intermittent releases)		0,94 mg/l
Marine water		0,009 mg/l
Freshwater sediment		0,412 mg/kg
Marine sediment		0,041 mg/kg
Micro-organisms in sewage treatment plants (STP)		10 mg/l
Soil		0,09 mg/kg
6259-76-3	Hexyl salicylate	
Freshwater		0 mg/l
Freshwater (intermittent releases)		0,004 mg/l
Marine water		0 mg/l
Freshwater sediment		0,272 mg/kg
Marine sediment		0,027 mg/kg
Micro-organisms in sewage treatment plants (STP)		10 mg/l
Soil		0,054 mg/kg
110-41-8	2-methylundecanal	
Freshwater		0,00066 mg/l
Freshwater (intermittent releases)		0,0018 mg/l
Freshwater sediment		0,265 mg/kg
Marine sediment		0,0265 mg/kg
Secondary poisoning		116 mg/kg
Micro-organisms in sewage treatment plants (STP)		10 mg/l
Soil		0,0526 mg/kg
103-95-7	3-P-Cumenyl-2-methylpropionaldehyde	
Freshwater		0,0088 mg/l
Freshwater (intermittent releases)		0,014 mg/l
Marine water		0,00088 mg/l
Freshwater sediment		1,02 mg/kg
Marine sediment		0,102 mg/kg
Secondary poisoning		2 mg/kg



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### 5295 Turbo air refresher Laundry 600 ml

Revision date: 06.02.2024

Product code: 70673

Page 9 of 19

Micro-organisms in sewage treatment plants (STP)	1 mg/l
Soil	0,199 mg/kg
112-54-9	Dodecanal
Freshwater	0,004 mg/l
Freshwater (intermittent releases)	0,035 mg/l
Marine water	0 mg/l
Freshwater sediment	1,41 mg/kg
Marine sediment	0,141 mg/kg
Secondary poisoning	313 mg/kg
Micro-organisms in sewage treatment plants (STP)	10 mg/l
Soil	0,278 mg/kg
106-22-9	Citronellol
Freshwater	0,002 mg/l
Freshwater (intermittent releases)	0,024 mg/l
Marine water	0 mg/l
Freshwater sediment	0,026 mg/kg
Marine sediment	0,003 mg/kg
Micro-organisms in sewage treatment plants (STP)	580 mg/l
Soil	0,004 mg/kg

#### Additional advice on limit values

SECTION 16: Other information

#### 8.2. Exposure controls



#### Appropriate engineering controls

Provide adequate ventilation as well as local exhaust at critical locations.

#### Individual protection measures, such as personal protective equipment

##### Eye/face protection

Wear eye/face protection. Wear eye/face protection.

##### Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Thickness of the glove material >0,4 mm / > 480 min

##### Skin protection

Wear suitable protective clothing. Filter A/P 2

##### Respiratory protection

In case of inadequate ventilation wear respiratory protection. In case of inadequate ventilation wear respiratory protection.

##### Thermal hazards

Flame-retardant protective clothing. Wear anti-static footwear and clothing

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### 5295 Turbo air refresher Laundry 600 ml

Revision date: 06.02.2024

Product code: 70673

Page 10 of 19

#### Environmental exposure controls

Do not allow to enter into surface water or drains.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state:	Aerosol	
Colour:	colourless	
Odour:	characteristic	
Melting point/freezing point:		not determined
Boiling point or initial boiling point and boiling range:		-42 °C
Flammability:		not applicable
Lower explosion limits:		not applicable
Upper explosion limits:		1,9 vol. %
Flash point:		13,5 vol. %
Auto-ignition temperature:		-88,6 °C
Decomposition temperature:		-95 °C
pH-Value:		not determined
Viscosity / kinematic:		not applicable
Water solubility:	The study does not need to be conducted because the substance is known to be insoluble in water.	
Solubility in other solvents:		not determined
Partition coefficient n-octanol/water:		not determined
Vapour pressure:		not determined
Density (at 20 °C):		0,61 g/cm <sup>3</sup>
Relative vapour density:		not determined

#### 9.2. Other information

##### Information with regard to physical hazard classes

##### Explosive properties

Heating may cause an explosion. Heating causes rise in pressure with risk of bursting.

##### Oxidizing properties

The product is not: oxidising.

##### Other safety characteristics

Evaporation rate:	not applicable
Solid content:	not determined
Viscosity / dynamic:	not determined

##### Further Information

The vapour of the product is heavier than air and may accumulate below ground level, in pits, channels and basements in higher concentration.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Extremely flammable aerosol. Pressurized container: May burst if heated. No data available

#### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

#### 10.3. Possibility of hazardous reactions

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### 5295 Turbo air refresher Laundry 600 ml

Revision date: 06.02.2024

Product code: 70673

Page 11 of 19

The product is stable under storage at normal ambient temperatures.  
Heating causes rise in pressure with risk of bursting.

#### **10.4. Conditions to avoid**

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Vapours can form explosive mixtures with air. Keep away from heat. Keep away from sources of ignition - No smoking.

#### **10.5. Incompatible materials**

Materials to avoid: .

#### **10.6. Hazardous decomposition products**

Carbon dioxide (CO<sub>2</sub>). Carbon monoxide

#### **Further information**

No data available

### SECTION 11: Toxicological information

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

##### **Toxicokinetics, metabolism and distribution**

No data available

##### **Acute toxicity**

Based on available data, the classification criteria are not met.

##### **ATEmix calculated**

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### 5295 Turbo air refresher Laundry 600 ml

Revision date: 06.02.2024

Product code: 70673

Page 12 of 19

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
18479-58-8	2,6-dimethyloct-7-en-2-ol				
	oral	LD50 4100 mg/kg	Rat	Study report (1977)	No information available.
63500-71-0	cis/trans-tetrahydro-2-isobutyl-4-methylpyran-4-ol				
	oral	LD50 > 2000 mg/kg	Rat	Study report (1992)	EU Method B.1
	dermal	LD50 > 2000 mg/kg	Rabbit	Study report (1985)	OECD Guideline 402
6259-76-3	Hexyl salicylate				
	oral	LD50 > 5000 mg/kg	Rat	Study report (1975)	OECD Guideline 401
	dermal	LD50 > 5000 mg/kg	Rabbit	Study report (1975)	OECD Guideline 402
54464-57-2	Octahydro tetramethyl acetone				
	oral	LD50 >5000 mg/kg	Rat	Pre-supplier/manufacturer	OECD 401
	dermal	LD50 >5000 mg/kg	Rat	Pre-supplier/manufacturer	OECD 402
110-41-8	2-methylundecanal				
	oral	LD50 > 5000 mg/kg	Rat	Study report (1971)	10 rats received doses of the test mater
103-95-7	3-P-Cumenyl-2-methylpropionaldehyde				
	oral	LD50 > 2000 - < 5000 mg/kg	Rat	Study report (1978)	OECD Guideline 401
	dermal	LD50 > 5000 mg/kg	Rat	Study report (1980)	Rats acutely dermally exposed to test ma
112-54-9	Dodecanal				
	oral	LD50 23100 mg/kg	Rat	Study report (1971)	Rats fed three dose levels of test mater
	dermal	LD50 > 2000 mg/kg	Rabbit	Study report (1971)	Test material applied to skin of 4 rabbi

#### Irritation and corrosivity

Based on available data, the classification criteria are not met.

#### Sensitising effects

Contains Hexyl salicylate, Octahydro tetramethyl acetone, 2-methylundecanal, Dodecanal, 3-P-Cumenyl-2-methylpropionaldehyde, Citronellol. May produce an allergic reaction.

#### Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

#### STOT-single exposure

Based on available data, the classification criteria are not met.

#### STOT-repeated exposure

Based on available data, the classification criteria are not met.

#### Aspiration hazard

Based on available data, the classification criteria are not met.

#### Specific effects in experiment on an animal

No data available

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### 5295 Turbo air refresher Laundry 600 ml

Revision date: 06.02.2024

Product code: 70673

Page 13 of 19

#### Additional information on tests

No data available

#### Practical experience

No data available

#### 11.2. Information on other hazards

##### Other information

No data available

#### Further information

sensitising

### SECTION 12: Ecological information

#### 12.1. Toxicity

Harmful to aquatic life with long lasting effects. No data available

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### 5295 Turbo air refresher Laundry 600 ml

Revision date: 06.02.2024

Product code: 70673

Page 14 of 19

CAS No	Chemical name						
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method	
18479-58-8	2,6-dimethyloct-7-en-2-ol						
	Acute fish toxicity	LC50 mg/l	27,8	96 h	Oncorhynchus mykiss	REACH Registration Dossier	OECD Guideline 203
	Acute algae toxicity	ErC50	80 mg/l	72 h	Desmodesmus subspicatus	REACH Registration Dossier	OECD Guideline 201
	Acute crustacea toxicity	EC50	38 mg/l	48 h	Daphnia magna	REACH Registration Dossier	OECD Guideline 202
	Crustacea toxicity	NOEC	9,5 mg/l	21 d	Daphnia magna	REACH Registration Dossier	OECD Guideline 211
	Acute bacteria toxicity	(EC50 mg/l)	> 100	0.5 h	Activated sludge	REACH Registration Dossier	OECD Guideline 209
63500-71-0	cis/trans-tetrahydro-2-isobutyl-4-methylpyran-4-ol						
	Acute algae toxicity	ErC50 mg/l	> 100	72 h	Desmodesmus subspicatus	Study report (2006)	OECD Guideline 201
	Acute crustacea toxicity	EC50 mg/l	ca. 320	48 h	Daphnia magna	Study report (1996)	OECD Guideline 202
	Acute bacteria toxicity	(EC50 mg/l)	> 1000	3 h	activated sludge of a predominantly domestic sewage	Study report (2007)	OECD Guideline 209
6259-76-3	Hexyl salicylate						
	Acute algae toxicity	ErC50 mg/l	0,61	72 h	Desmodesmus subspicatus	REACH Registration Dossier	OECD Guideline 201
110-41-8	2-methylundecanal						
	Acute algae toxicity	ErC50 mg/l	0,11	72 h	Raphidocelis subcapitata	Study report (2013)	OECD Guideline 201
	Acute crustacea toxicity	EC50 mg/l	0,21	48 h	Daphnia magna	Study report (2013)	OECD Guideline 202
	Crustacea toxicity	NOEC mg/l	0,033	21 d	Daphnia magna	Study report (2019)	OECD Guideline 211
103-95-7	3-P-Cumenyl-2-methylpropionaldehyde						
	Aquatic toxicity	Data lacking					
112-54-9	Dodecanal						
	Acute fish toxicity	LC50 mg/l	ca. 2,6	96 h	Oncorhynchus mykiss	Study report (1993)	OECD Guideline 203
	Acute algae toxicity	ErC50 mg/l	> 0,048	72 h	Raphidocelis subcapitata	Study report (2013)	OECD Guideline 201
	Acute crustacea toxicity	EC50 mg/l	> 0,27	48 h	Daphnia magna	Study report (2012)	OECD Guideline 202
106-22-9	Citronellol						
	Acute fish toxicity	LC50 mg/l	14,66	96 h	Leuciscus idus	Study report (1989)	other: German standard DIN 38 412, part
	Acute algae toxicity	ErC50	2,4 mg/l	72 h		Study report (1990)	Algae inhibition test supported by the U

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### 5295 Turbo air refresher Laundry 600 ml

Revision date: 06.02.2024

Product code: 70673

Page 15 of 19

	Acute crustacea toxicity	EC50 mg/l	17,48	48 h	Daphnia magna	Study report (1989)	other: EU Directive 79/831/EEC, Annex V,
	Acute bacteria toxicity	(EC50 mg/l)	> 10000	0.5 h	Pseudomonas putida	Study report (1988)	other: German standard, DIN 38412 Part 2

#### 12.2. Persistence and degradability

No data available

#### 12.3. Bioaccumulative potential

No data available

#### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
18479-58-8	2,6-dimethyloct-7-en-2-ol	3,25
63500-71-0	cis/trans-tetrahydro-2-isobutyl-4-methylpyran-4-ol	ca. 1,65
6259-76-3	Hexyl salicylate	5,5
110-41-8	2-methylundecanal	4,9
103-95-7	3-P-Cumenyl-2-methylpropionaldehyde	3,4
112-54-9	Dodecanal	4,9
106-22-9	Citronellol	3,41

#### BCF

CAS No	Chemical name	BCF	Species	Source
18479-58-8	2,6-dimethyloct-7-en-2-ol	64,8		REACH Registration D
6259-76-3	Hexyl salicylate	8913	Please see below	Handbook of Chemical
110-41-8	2-methylundecanal	2917		Journal of Fisheries
103-95-7	3-P-Cumenyl-2-methylpropionaldehyde	155		Journal of Fisheries
112-54-9	Dodecanal	323		QSAR and Combinatori
106-22-9	Citronellol	82,59		EPIWIN calculation (

#### 12.4. Mobility in soil

No data available

#### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

#### 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

#### 12.7. Other adverse effects

Do not allow to enter into surface water or drains.

#### Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Disposal recommendations

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

##### List of Wastes Code - residues/unused products

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### 5295 Turbo air refresher Laundry 600 ml

Revision date: 06.02.2024

Product code: 70673

Page 16 of 19

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

**List of Wastes Code - used product**

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

**List of Wastes Code - contaminated packaging**

150104 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); metallic packaging

**Contaminated packaging**

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

## SECTION 14: Transport information

**Land transport (ADR/RID)**

**14.1. UN number or ID number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2  
**14.4. Packing group:** -  
Hazard label: 2.1



Classification code: 5F  
Special Provisions: 190 327 344 625  
Limited quantity: 1 L  
Excepted quantity: E0  
Transport category: 2  
Tunnel restriction code: D

**Inland waterways transport (ADN)**

**14.1. UN number or ID number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2  
**14.4. Packing group:** -  
Hazard label: 2.1



Classification code: 5F  
Special Provisions: 190 327 344 625  
Limited quantity: 1 L  
Excepted quantity: E0

**Marine transport (IMDG)**

**14.1. UN number or ID number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2.1  
**14.4. Packing group:** -  
Hazard label: 2.1



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### 5295 Turbo air refresher Laundry 600 ml

Revision date: 06.02.2024

Product code: 70673

Page 17 of 19



Special Provisions: 63, 190, 277, 327, 344, 381, 959  
 Limited quantity: 1000 mL  
 Excepted quantity: E0  
 EmS: F-D, S-U

#### Air transport (ICAO-TI/IATA-DGR)

**14.1. UN number or ID number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS, FLAMMABLE  
**14.3. Transport hazard class(es):** 2.1  
**14.4. Packing group:** -  
 Hazard label: 2.1



Special Provisions: A145 A167 A802  
 Limited quantity Passenger: 30 kg G  
 Passenger LQ: Y203  
 Excepted quantity: E0  
 IATA-packing instructions - Passenger: 203  
 IATA-max. quantity - Passenger: 75 kg  
 IATA-packing instructions - Cargo: 203  
 IATA-max. quantity - Cargo: 150 kg

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

#### 14.6. Special precautions for user

Warning: Flammable gases. Achtung: Gase

#### 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 regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 40

2010/75/EU (VOC): 98,861 % (603,053 g/l)

Information according to 2012/18/EU (SEVESO III): P3a FLAMMABLE AEROSOLS

##### Additional information

Regulation (EC) No. 648/2004 [Detergents regulation].

Aerosol Directive (75/324/).

##### National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D): 1 - slightly hazardous to water

Skin resorption/Sensitization: Causes allergic hypersensitivity reactions.

#### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### 5295 Turbo air refresher Laundry 600 ml

Revision date: 06.02.2024

Product code: 70673

Page 18 of 19

#### SECTION 16: Other information

##### Abbreviations and acronyms

CLP: Classification, labelling and Packaging  
REACH: Registration, Evaluation and Authorization of Chemicals  
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals  
UN: United Nations  
CAS: Chemical Abstracts Service  
DNEL: Derived No Effect Level  
DMEL: Derived Minimal Effect Level  
PNEC: Predicted No Effect Concentration  
ATE: Acute toxicity estimate  
LC50: Lethal concentration, 50%  
LD50: Lethal dose, 50%  
LL50: Lethal loading, 50%  
EL50: Effect loading, 50%  
EC50: Effective Concentration 50%  
ErC50: Effective Concentration 50%, growth rate  
NOEC: No Observed Effect Concentration  
BCF: Bio-concentration factor  
PBT: persistent, bioaccumulative, toxic  
vPvB: very persistent, very bioaccumulative  
ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road)  
RID: Regulations concerning the international carriage of dangerous goods by rail  
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)  
IMDG: International Maritime Code for Dangerous Goods  
EmS: Emergency Schedules  
MFAG: Medical First Aid Guide  
IATA: International Air Transport Association  
ICAO: International Civil Aviation Organization  
MARPOL: International Convention for the Prevention of Marine Pollution from Ships  
IBC: Intermediate Bulk Container  
VOC: Volatile Organic Compounds  
SVHC: Substance of Very High Concern  
For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).  
Aerosol: Aerosols  
Skin Irrit: Skin irritation  
Eye Irrit: Eye irritation  
Skin Sens: Skin sensitisation  
Aquatic Acute: Acute aquatic hazard  
Aquatic Chronic: Chronic aquatic hazard

##### Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

Classification	Classification procedure
Aerosol 1; H222-H229	On basis of test data
Aquatic Chronic 3; H412	Calculation method

##### Relevant H and EUH statements (number and full text)

H222 Extremely flammable aerosol.  
H229 Pressurised container: May burst if heated.  
H315 Causes skin irritation.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### 5295 Turbo air refresher Laundry 600 ml

Revision date: 06.02.2024

Product code: 70673

Page 19 of 19

H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
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 Hexyl salicylate, Octahydro tetramethyl acetone, 2-methylundecanal, Dodecanal, 3-P-Cumenyl-2-methylpropionaldehyde, Citronellol. May produce an allergic reaction.

#### Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations. The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

#### Identified uses

No	Short title	LCS	SU	PC	PROC	ERC	AC	TF	Specification
1	AIR FRESHENERS AEROSOL (aqueous, non-aqueous, concentrated (mini-aerosol)) for consumer use	PW, C	0	3, 28	8a, 8b, 9	11a	0	37, 63	

LCS: Life cycle stages

PC: Product categories

ERC: Environmental release categories

TF: Technical functions

SU: Sectors of use

PROC: Process categories

AC: Article categories

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*