

Safety Data Sheet

Regulation (EC) No. 1907/2006 and 1272/2008

Printing Date: April 20, 2023

Version No.: 1.0

Revision: April 20, 2023

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

• **1.1 Product identifier**

• **Trade name:**

Air freshener

• **Other means of identification:**

Registration number: No available data.

UFI number: No available data.

• **1.2 Relevant identified uses of the substance or mixture and uses advised against on**

• **Application of the substance/ mixture:**

Consumer uses, fresh air.

• **Uses advised against:**

No available data.

• **Reason why uses advised against:**

No available data.

• **1.3 Details of the supplier of the safety data sheet**

• **Manufacturer/Supplier:**

Ningbo Attainheart Import and Export Co., Ltd.

Room 907, Building B, Yinyi Duhui International, No.559, Yageer Avenue, Haishu, Ningbo, China.

Post code: 315000

Tel: +086-574-87201850

Email: Sales1@nb-attainheart.com

National contact: Jason Hu

• **Only Representative/other EU contact point:**

Overseas Trading Limited

Top Floor Tayson House,

Methley Road,

Castleford,

WF10 1PA

Tel: +44 (0)1977 512 244

Fax: +44 (0) 1977 512 688

Email: sales@otltd.co.uk

• **Further information obtainable from:**

Ningbo Attainheart Import and Export Co., Ltd.

• **1.4 Emergency telephone number**

Country	Official advisory body	Address	Emergency number	Remark
Austria	Vergiftungsinformationszentra le (Poisons Information Centre)	Stubenring 6 1010 Wien	+43 1 406 43 43	
Belgium	Centre Anti-Poisons/ Antigifcentrum c/o Hôpital Central de la Base - Reine Astrid	Rue Bruyn 1 B -1120 Bruxelles/Brussel	+32 70 245 245	Please dial: 070 245 245 for any urgent questions about intoxication (free of charge 24/7), if not accessible, dial:

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				02 264 96 30 (standard fee)
Bulgaria	Национален токсикологичен информационен център (National Toxicological Information Centre) Многопрофилна болница за активно лечение и спешна медицина "Н.И.Пирогов" (National Clinical Toxicology Centre), Emergency Medical Institute "Pirogov"	21 Totleben Boulevard 1606 SOFIA	+359 2 9154 409	
Croatia	Centar za kontrolu otrovanja Institut za medicinska istraživanja i medicinu rada	Ksaverska Cesta 2 p.p. 291 10000 Zagreb	+385 1 234 8342	
Cyprus	Κέντρον Δηλητηριάσεων		1401	Operating hours 24 hours / 24 hours, 7 days a week
Czech Republic	Toxikologickéinformačnístředisko KlinikapracovníholékařstvíVFN a 1. LF UK	Na Bojišti 1 120 00 Praha 2	+420 224 919 293 +420 224 915 402	
Denmark	Gifflinjen Bispebjerg Hospital	Bispebjerg Bakke 23 2400 København NV	+45 82 12 12 12	
Estonia	Mürgistusteabekeskus	Gonsiori 29 15027 Tallinn	16662 +372 626 93 90	
Finland	Myrkytystietokeskus	Stenbäckinkatu 9 PO BOX 100 29 Helsinki	+358 9 471 977 +358 9 4711	
France	Centre Antipoison et de Toxicovigilance de Paris Hôpital Fernand Widal	200 rue du Faubourg Saint-Denis 75475 Paris Cedex 10	+33 1 40 05 48 48	
France	Centre Antipoison et de Toxicovigilance de Marseille Hôpital Sainte Marguerite	270 boulevard de Sainte Marguerite 13274 Marseille Cedex 09	+33 4 91 75 25 25	
Germany	Giftnotruf München Toxikologische Abteilung der II. Med. Klinik und Poliklinik rechts der Isar der Technischen Universität München	Ismaninger Straße 22 81675 München	+49 (0) 89 19240	
Germany	Giftnotruf der Charité CBF, Haus VIII (Wirtschaftsgebäude), UG	Hindenburgdamm 30 12203 Berlin	+49 (0) 30 19240	
Greece	Poisons Information Centre Children's Hospital P&A Kyriakou	11762 Athens	+30 2 10 779 3777	

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<i>Hungary</i>	<i>Országos Kémiai Biztonsági Intézet Egészségügyi Toxikológiai Tájékoztató Szolgálat</i>	<i>Nagyvárad tér 2. 1437 Budapest, Pf. 839 1097 Budapest</i>	<i>+36 80 20 11 99</i>	
<i>Iceland</i>	<i>Eitrunarmiðstöð Landspítali</i>	<i>Fossvogi 108 Reykjavik</i>	<i>+354 543 22 22</i>	
<i>Ireland</i>	<i>National Poisons Information Centre Beaumont Hospital</i>	<i>PO Box 1297 Beaumont Road 9 Dublin</i>	<i>+353 1 809 2566 (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)</i>	
<i>Italy</i>	<i>Centro Antiveleeni Dipartimento di Tossicologia Clinica, Universita Cattolica del Sacro Cuore</i>	<i>Largo Agostino Gemelli 8 168 Roma</i>	<i>+39 06 305 4343</i>	
<i>Latvia</i>	<i>Valsts Toksikoloģijas centrs, Saindēšanās un zāļu informācijas centrs</i>	<i>Hipokrāta 2 1038 Rīga</i>	<i>+371 67 04 24 73</i>	
<i>Lithuania</i>	<i>Apsinuodijimų informacijos biuras</i>	<i>Birutės g. 56 8110 Vilnius</i>	<i>+370 5 236 20 52 +370 687 53378</i>	
<i>Luxembourg</i>	<i>Centre Anti-Poisons/ Antigifcentrum c/o Hôpital Central de la Base - Reine Astrid</i>	<i>Rue Bruyn 1 1120 Bruxelles/Brussel</i>	<i>+352 8002 5500</i>	
<i>Malta</i>	<i>Medicines & Poisons Info Office</i>	<i>Mater Dei Hospital MSD Msida</i>	<i>+356 2545 6504</i>	
<i>Netherlands</i>	<i>Nationaal Vergiftigingen Informatie Centrum Universitair Medisch Centrum Utrecht, Het Nationaal Vergiftigingen Informatie Centrum (NVIC) informeert (dieren-) artsen, apothekers en andere professionele hulpverleners over de mogelijke gezondheidseffecten en behandelingsmogelijkheden bij vergiftigingen. Het NVIC is hiervoor dag en nacht bereikbaar, zowel telefonisch als via internet</i>	<i>Huispostnummer B.00.118 PO Box 85500 3508 GA Utrecht</i>	<i>+31 30 274 88 88</i>	<i>Only for the purpose of informing medical personnel in cases of acute intoxications</i>
<i>Norway</i>	<i>Giftnformasjonen Helsedirektoratet</i>	<i>P.O. Box 7000 St. Olavs Plass 130 Oslo</i>	<i>+47 22 591300</i>	
<i>Poland</i>	<i>National Poisons Information Centre The Nofer Institute of Occupational Medicine (Łódź)</i>	<i>ul. Teresy 8 P.O. BOX 199 90950 Łódź</i>	<i>+48 42 63 14 724</i>	
<i>Portugal</i>	<i>Centro de</i>	<i>Rua Almirante Barroso,</i>	<i>+351 808 250 143</i>	

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	<i>InformaçãoAntivenenosInstituto Nacional de Emergência Médica</i>	<i>36 1000-013 Lisboa</i>		
<i>Romania</i>	<i>Department of Clinical Toxicology Spitalul de UrgentaFloreasca</i>	<i>Calea Floreasca Bucuresti</i>	<i>+40 21 230 8000</i>	
<i>Serbia</i>	<i>Nacionalni centar za kontrolu trovanja - VMA</i>	<i>Crnotravska 17 11000 Beograd</i>	<i>+381 11 360 84 40 (24h) +381 11 3672 187</i>	
<i>Slovakia</i>	<i>Národné toxikologickéinformačné centrum UniverzitnánemocnicaBratislava, pracoviskoKramáre, Klinikapracovnéholekárstva a toxikológie</i>	<i>Limbová 5 833 05 Bratislava</i>	<i>+421 2 54 77 41 66</i>	
<i>Slovenia</i>	<i>Center za kliničnotoksikologijo in farmakologijoInternaklinika, UKCL</i>	<i>Zaloška cesta 7 1525 Ljubljana</i>	<i>+386 41 650 500</i>	
<i>Spain</i>	<i>Servicio de Información Toxicológica Instituto Nacional de Toxicología y Ciencias Forenses, Departamento de Sevilla</i>	<i>Carretera de San Jerónimo Km 0,4 41080 Sevilla</i>	<i>+34 91 562 04 20</i>	<i>(Toxicological emergencies only). Information in Spanish (24/7)</i>
<i>Spain</i>	<i>Servicio de Información Toxicológica Instituto Nacional de Toxicología y Ciencias Forenses, Departamento de Madrid</i>	<i>C/José Echegaray nº4 28232 Las Rozas de Madrid</i>	<i>+34 91 562 04 20</i>	<i>(Toxicological emergencies only). Information in Spanish (24/7)</i>
<i>Sweden</i>	<i>Giftinformationscentralen</i>	<i>Box 60 500 171 76 Stockholm</i>	<i>112 – begär Giftinformation +46 10 456 6700 (Från utlandet)</i>	
<i>Switzerland</i>	<i>Tox Info Suisse</i>	<i>Freiestrasse 16 8032 Zürich</i>	<i>145</i>	<i>(from abroad: +41 44 251 51 51) non urgent inquiry: +41 44 251 66 66</i>
<i>United Kingdom</i>	<i>National Poisons Information Service (Belfast Centre) Royal Victoria Hospital</i>	<i>Grosvenor Road BT12 6BA Belfast</i>	<i>0344 892 0111</i>	<i>Only for the purpose of informing medical personnel in cases of acute intoxications</i>

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
- 2.1.1 Classification according to regulation (EC) 1272/2008:

Regulation (EC) No 1272/2008 [CLP]	Classification procedure
<i>Aquatic Chronic 3, H412</i>	<i>Summation method</i>

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For full text of Hazard- and EU Hazard-statements: see SECTION 16.

2.2 Label elements**Labeling according to Regulation (EC) No 1272/2008:**

The product is labelled according to Regulation (EC) No 1272/2008.

Hazard pictograms:

No pictogram is used

Signal word:

No signal word is used

Hazard-determining components of labelling:

Not applicable

Hazard statements:

H412 Harmful to aquatic life with long lasting effects

Precautionary statement:

P273 Avoid release to the environment.

P501 Dispose of contents/container in accordance with local/regional/national/international regulation.

Supplemental label elements:

EUH208: Contains Linalyl acetate; Linalool; Eucalyptus oil; Lemon oil terpenes. May produce an allergic reaction.

2.3 Other hazardsNone of the ingredients ($\geq 0.1\%$) meets the criteria for PBT/vPvB in accordance with Annex XIII.None of the ingredients ($\geq 0.1\%$) is identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100.**SECTION 3: Composition/information on ingredients****3.1 Substance**

Not applicable

3.2 Mixtures**Description of the mixture:**

Air freshener.

Ingredients:						
Substance	CAS No.	Index No.	EC No.	w/w, %	CLP Classification	SCL/M-factor/ATE
Water	7732-18-5	-	231-791-2	81.9	None	-
Hydrogenated castor oil	8001-78-3	-	232-292-2	12	None	-
Oxydipropanol	25265-71-8	-	246-770-3	2.28-2.94	None	-
Polyethylene glycol	25322-68-3	-	500-038-2	0.96-1.44	None	-
Linalyl acetate	115-95-7	-	204-116-4	0.06-0.54	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319	-
Dihydromyrcenol	18479-58-8	-	242-362-4	0.06-0.48	Skin Irrit. 2, H315 Eye Irrit. 2, H319	-
(+)-bornan-2-one	464-49-3	-	207-355-2	0.06-0.42	Flam. Sol. 2, H228 Acute Tox. 4, H302 Skin Irrit. 2, H315	ATE (oral)= 1310 mg/kg ATE (inhal.)= 1.5

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					Eye Dam. 1, H318 Acute Tox. 4, H332 STOT SE 2, H371 Aquatic Chronic 2, H411	mg/l (dust/mist)
Linalool	78-70-6	603-235-00-2	201-134-4	0.405	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319	-
Terpineol	8000-41-7	-	232-268-1	0.06-0.36	Skin Irrit. 2, H315 Eye Irrit. 2, H319	-
Cedarwood oil	8000-27-9	-	-	0.06-0.3	Asp. Tox. 1, H304 Skin Irrit. 2, H315 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	M=1 M(Chronic)=1
Cedr-8-ene	469-61-4	-	207-418-4	0.06-0.24	Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	M=10 M(Chronic)=1
Eucalyptus oil	8000-48-4	-	-	0-0.12	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit.2, H315 Skin Sens.1, H317 Aquatic Chronic 2, H411	-
Lemon oil terpenes	68917-33-9	-	-	0-0.12	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411	-
Pigment	-	-	-	0.1	None	-
Coumarin	91-64-5	-	202-086-7	0.0486	Acute Tox. 3, H301 Skin Sens. 1, H317 Aquatic Chronic 3, H412	ATE (oral)=293 mg/kg
(R)-p-Mentha-1,8-diene	5989-27-5	601-029-00-7	227-813-5	0.0396	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 3,	Skin Irrit. 2, H315: C≥20% M=1

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					H412	
Geraniol	106-24-1	603-241-00-5	203-377-1	0.00012	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Dam. 1, H318	-
Citral	5392-40-5	605-019-00-3	226-394-6	0.00108	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319	Skin Irrit. 2, H315: C _≥ 20%

Additional information:

For full text of H-statements, see SECTION 16.

SECTION 4: First aid measures• **4.1 Description of first aid measures****General advice:**

Get medical attention if you feel unwell.

After inhalation:

Supply with fresh air.

Get medical attention if you feel unwell.

After skin contact:

Wash with water.

If there are signs of irritation or other symptoms, seek medical attention.

After eye contact:

Rinse cautiously with water for several minutes.

If eye irritation occurs: Get medical advice/attention.

After swallowing:

Rinse mouth.

Call a POISON CENTER/doctor if you feel unwell.

• **4.2 Most important symptoms and effects, both acute and delayed:**

Acute and delayed effects are as indicated in sections 2 and 11.

• **4.3 Indication of any immediate medical attention and special treatment needed:**

Treat according to symptom, there is not known specific medicine.

SECTION 5: Fire-fighting measures• **5.1 Extinguishing media**• **Suitable extinguishing agents:**Use CO₂, chemical powder, water spray or alcohol resistant foam to extinguish.• **Unsuitable extinguishing media:**

Water with full jet.

• **5.2 Special hazards arising from the substance or mixture:**

May form allergic vapor in air under fire.

• **5.3 Advice for firefighters****Protective equipment:**

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Wear self-contained breathing apparatus for firefighting.

SECTION 6: Accidental release measures**· 6.1 Personal precautions, protective equipment and emergency procedures****· 6.1.1 For non-emergency personnel****Protective equipment:**

Eye protection/ Respiration protection.

Emergency procedures:

Avoid breathing vapor/mist.

Avoid contact with eyes.

· 6.1.2 For emergency responders**Personal protective equipment:**

Eye protection/ Respiration protection.

· 6.2 Environmental precautions:

Prevent further leakage or spillage if safe to do so.

Prevent spillage from entering drains, sewer, basement or confined areas.

If the spillage contaminates rivers, lakes or drains inform respective authorities.

· 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to section 13.

· 6.4 Reference to other sections:

See section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See section 13 for disposal information.

SECTION 7: Handling and storage**· 7.1 Precautions for safe handling:**

Ensure adequate ventilation at workplace.

Avoid breathing vapor.

Avoid contact with eyes.

Avoid release to the environment.

· Information about fire and explosion protection:

Normal measures for preventive fire protection.

· 7.2 Conditions for safe storage, including any non-compatibility**· Requirements to be met by storerooms and receptacles:**

Store in a cool and well-ventilated place.

· Information about storage in one common storage facility:

No further requirements.

· Further information about storage conditions:

No further requirements.

· Storage class:

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• 7.3 Specific end use(s):

See section 1.2.

SECTION 8: Exposure controls/personal protection

• 8.1 Control parameters

• Ingredients with limit values that require monitoring at the workplace:

Country	Limit value - Eight hours	Limit value - Short term
25265-71-8 Oxydipropanol		
Germany (AGS)	100mg/m ³ Inhalable fraction and vapour	200mg/m ³ Inhalable fraction and vapour; 15 minutes average value
Germany (DFG)	100mg/m ³ Inhalable fraction; Inhalable fraction and vapour	200mg/m ³ Inhalable fraction; Inhalable fraction and vapour; 15 minutes average value
5989-27-5 (R)-p-mentha-1,8-diene		
Finland	25ppm;140mg/m ³	50ppm;280mg/m ³ 15 minutes average value
Germany (AGS)	5ppm;28mg/m ³	20ppm;110mg/m ³ 15 minutes reference period
Germany (DFG)	5ppm;28mg/m ³	20ppm;112mg/m ³ 15 minutes average value
5392-40-5 Citral		
Belgium	5ppm; 32mg/m ³ Inhalable fraction and vapour	-
Poland	27mg/m ³	54mg/m ³
Spain	5ppm	-

• DNELs:

DNEL type	DNEL worker value	DNEL consumer value	
25265-71-8 Oxydipropanol			
Systemic effects	Long-term, inhalation exposure	238 mg/m ³	70 mg/m ³
	Long-term, dermal exposure	84 mg/kg bw/day	51 mg/kg bw/day
	Long-term, oral exposure	-	24 mg/kg bw/day
25322-68-3 Polyethylene glycol			
Systemic Effects	Long-term, inhalation exposure	40.2 mg/m ³	7.14 mg/m ³
	Long-term, dermal exposure	112 mg/kg bw/day	40 mg/kg bw/day
	Long-term, oral exposure	-	40 mg/kg bw/day

• PNECs:

PNEC type	Value
25265-71-8 Oxydipropanol	
Freshwater	100 µg/L
Intermittent releases (freshwater)	1 mg/L
Marine water	10 µg/L
Sewage treatment plant (STP)	1 g/L
Sediment (freshwater)	238 µg/kg sediment dw
Soil	25.3 µg/kg soil dw
Secondary poisoning	313 mg/kg food
25322-68-3 Polyethylene glycol	

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Freshwater	273 mg/L
Intermittent releases (freshwater)	1 mg/L
Marine water	27.3 mg/L
Intermittent releases (marine water)	100 µg/L
Sediment (freshwater)	1 030 mg/kg sediment dw
Sediment (marine water)	103 mg/kg sediment dw
Soil	46.4 mg/kg soil dw

• **Additional information:**

The lists valid during the marking were used as basis.

• **8.2 Exposure controls**

• **Based on the composition shown in section 3, the following measures are suggested for occupational safety measure.**

• **Appropriate engineering controls:**

Handle in accordance with good industrial hygiene and safety practice.

Wash hands and face before breaks and at the end of work.

Take off contaminated clothing and wash it before reuse.

See section 7 for information about design of technical facilities.

• **Personal protective equipment**

• **Eye and face protection:**

Not required under normal conditions of use.

For industrial applications, following protection required:



Safety glasses

Protective goggles with side-shields.

• **Skin protection**

• **Hand protection:**

Not required under normal conditions of use.

For industrial applications, following protection required:



Protective gloves

Gloves made from butyl rubber Neoprene™ rubber, nitrile rubber (thickness > 0.3mm; breakthrough times up to 480 minutes).

• **Other skin protection:**

Not required under normal conditions of use.

For industrial applications, following protection required:



Face protection



Safety boots



Safety overalls

Face shield, gauntlets, boots, bodysuit are recommended.

• **Respiration protection:**

Not required under normal conditions of use.

For industrial applications, following protection required:

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**Respiratory equipment**

Use positive pressure breathing mask if concentrations in air could exceed occupational exposure standard.

- **Thermal hazards:**

Not required under normal conditions of use.

For industrial applications, following protection required:

The gauntlets, boots, bodysuit and other personal protective equipment must be flame retardant and no heat-conducting.

- **Environmental exposure controls:**

Control measures must be made in accordance with Community environmental protection legislation.

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

• Physical state	Liquid
• Color	Colorful
• Odor & Odor threshold	Characteristic odor
• Melting point/freezing point (or softening point/range)	Not determined
• Boiling point or initial boiling point and boiling range	100°C (water)
• Flammability	Not flammable liquid
• Lower and upper explosion limit	Not determined
• Flash point	>93°C
• Auto-ignition temperature	Not determined
• Decomposition temperature	Not applicable
• pH	4-8 (20°C)
• Kinematic viscosity (mm ² /s)	Not determined
• Solubility	Soluble in water
• Partition coefficient n-octanol/water (log value)	Not applicable
• Vapor pressure	Not determined
• Density and/or relative density	Not determined
• Relative vapor density	Not determined
• Particle characteristics	Not applicable

- **9.2 Other information**

- **9.2.1 Information with regard to physical hazard classes:**

• Explosives	Not applicable
• Flammable gases	Not applicable
• Aerosols	Not applicable
• Oxidising gases	Not applicable
• Gases under pressure	Not applicable
• Flammable liquids	Not applicable
• Flammable solids	Not applicable
• Self-reactive substances and mixtures	Not applicable

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• Pyrophoric liquids	Not applicable
• Pyrophoric solids	Not applicable
• Self-heating substances and mixtures	Not applicable
• Substances and mixtures, which emit flammable gases in contact with water	Not applicable
• Oxidizing liquids	Not applicable
• Oxidizing solids	Not applicable
• Organic peroxides	Not applicable
• Corrosive to metals	Not applicable
• Desensitised explosives	Not applicable
• 9.2.2 Other safety characteristics	
• Mechanical sensitivity	Not applicable
• Self-accelerating polymerisation temperature	Not applicable
• Formation of explosible dust/air mixtures	Not applicable
• Acid/alkaline reserve	Not applicable
• Evaporation rate	Not determined
• Miscibility	Not determined
• Conductivity	Not applicable
• Corrosiveness	Not applicable
• Gas group	Not applicable
• Redox potential	Not applicable
• Radical formation potential	Not applicable
• Photocatalytic properties	Not applicable
• Other physical and chemical parameters	Not determined

SECTION 10: Stability and reactivity

• 10.1 Reactivity:

The product is non-reactive under normal conditions of use, storage and transport.

• 10.2 Chemical stability:

Under storage at normal ambient temperatures, the product is stable.

• 10.3 Possibility of hazardous reactions:

No known hazardous reaction.

• 10.4 Conditions to avoid:

High temperature.

• 10.5 Incompatible materials:

Strong oxidizing agent and acids.

• 10.6 Hazardous decomposition products:

Does not decompose when used for intended uses.

SECTION 11: Toxicological information

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

LD50/LC50 values relevant for classification:

115-95-7 Linalyl acetate

Rat	LD50-oral	13934mg/kg
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Mouse	LD50-oral	12000mg/kg
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18479-58-8 Dihydromyrcenol

Rabbit	LD50-skin	> 5000mg/kg
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Rat	LD50-oral	3600mg /kg
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464-49-3 (+)-bornan-2-one

Mouse	LD50-oral	1310mg/kg
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78-70-6 Linalool

Rabbit	LD50-skin	5610mg/kg
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Rat	LD50-oral	2790mg /kg
	LD50-skin	5610mg/kg

Mouse	LD50-oral	3000mg/kg
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Remark: All the above data are from literature.

Skin corrosion/irritation:

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

Serious eyes damage/ irritation:

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

Respiratory or skin sensitization:

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

Germ cell mutagenicity:

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

Carcinogenicity:

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

Reproductive toxicity:

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.

11.2 Information on other hazards**11.2.1 Endocrine disrupting properties:**None of the ingredients ($\geq 0.1\%$) is considered to have endocrine-disrupting properties with respect to humans, as none of them meet the criteria set out in section A of Regulation (EU) No 2017/2100.

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No known other relevant information on adverse health effects.

SECTION 12: Ecological information**12.1 Toxicity:****LC50/EC50/NOEC values relevant for classification:**

115-95-7 Linalyl acetate

Short-term toxicity to fish LC50 (4 days) 11 mg/L

Short-term toxicity to aquatic invertebrates EC50 (48 h) 15 mg/L

Toxicity to aquatic algae and cyanobacteria
EC50 (72 h) 62 mg/L
NOEC (72 h) 9.6 mg/L

18479-58-8 Dihydromyrcenol

Short-term toxicity to fish LC50 (4 days) 27.8 mg/L

Short-term toxicity to aquatic invertebrates
EC50 (48 h) 38 mg/L
NOEC (48 h) 10 mg/LLong-term toxicity to aquatic invertebrates
NOEC (21 days) 9.5 mg/L
EC50 (21 days) 17 mg/LToxicity to aquatic algae and cyanobacteria
EC50 (72 h) 65 - 80 mg/L
NOEC (72 h) 25 mg/L

Toxicity to microorganisms EC50 (3 h) 100 mg/L

464-49-3 (+)-bornan-2-one

Short-term toxicity to aquatic invertebrates EC50 (48 h) 4.23 mg/L

Toxicity to aquatic algae and cyanobacteria
EC50 (72 h) 1.71 mg/L
NOEC (72 h) 32 µg/L**12.2 Persistence and degradability:**

115-95-7 Linalyl acetate Readily biodegradable in water

18479-58-8 Dihydromyrcenol Readily biodegradable in water

464-49-3 (+)-bornan-2-one Readily biodegradable in water

12.3 Bio-accumulative potential:

115-95-7 Linalyl acetate Log Pow = 3.9

18479-58-8 Dihydromyrcenol Log Pow = 3.25

464-49-3 (+)-bornan-2-one Log Pow = 2.3

12.4 Mobility in soil:

115-95-7 Linalyl acetate Henrys law constant (H)=176.31

12.5 Results of PBT and vPvB assessment:This mixture does not contain any substances ($\geq 0.1\%$) that are assessed to be a PBT or a vPvB.**12.6 Endocrine disrupting properties:**None of the ingredients ($\geq 0.1\%$) is considered to have endocrine-disrupting properties with respect to non-target organisms, as none of them meet the criteria set out in section B of Regulation (EU) No 2017/2100.**12.7 Other adverse effects:**

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No known other adverse effects.

12.8 Additional ecological information**General notes:**

WGK2 (German Regulation) (self-assessment): Hazard to waters.

Do not allow the product to reach ground water, water course or sewage system.

SECTION 13: Disposal consideration**13.1 Waste treatment methods****Recommendation:**

Must not be disposed together with household garbage.

13.2 Un-cleaned packaging**Recommendation:**

Dispose of contents/container in according to the local/regional/national/ international regulation.

SECTION 14: Transport information**ADR/ADN/RID (2023 Edition)**

This product is not subject to ADR/ADN/RID.

IATA-DGR (64th)

This product is not subject to IATA-DGR.

IMO/IMDG (40-20)

This product is not subject to IMO/IMDG code.

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****MAK (German Maximum Workplace Concentration):**

None of the ingredients is listed.

Directive 2012/18/EU**Named dangerous substances-ANNEX I:**

None of the ingredients is listed.

Seveso category:

Not applicable

Qualifying quantity (tonnes) for the application of lower-tier requirements:

Not applicable

Qualifying quantity (tonnes) for the application of upper-tier requirements:

Not applicable

National regulations.**Water hazard class:**

WGK2 (German Regulation) (self-assessment): Hazard to waters.

Other regulations, limitations and prohibitive regulations**SVHC Candidate list of REACH Regulation Annex XIV Authorization:**

None of the ingredients is listed.

REACH Regulation Annex XVII Restriction:

None of the ingredients is listed.

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None of the ingredients is listed.

· 15.2 Chemical safety assessment:

A Chemical Safe Assessment has not been carried out.

SECTION 16: Other information**· 16.1 Indication of changes:**

None.

16.2 Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road).

IMDG: International Maritime Code for Dangerous Goods.

IATA: International Air Transport Association.

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

PBT: Persistent, Bio accumulative and Toxic

vPvB: very persistent and very bio accumulative

SVHC: Substance of Very High Concern

LD50: Lethal dose, 50 percent

LC50: Lethal concentration, 50 percent

EC50: Concentration of maximal effect, 50 percent

NOEC: No observed effect concentration

Flam. Liq. 3: Flammable liquids, hazard category 3

Flam. Sol. 1: Flammable solids, hazard category 1

Acute Tox. 4: Acute toxicity, hazard category 4

Asp. Tox. 1: Aspiration toxicity, hazard category 1

Skin Irrit.2: Skin corrosion/irritation, hazard category 2

Skin Sens. 1: Skin sensitization, hazard category 1

Eye Dam. 1: Eye damage/irritation, hazard category 1

Eye Irrit. 2: Eye damage/irritation, hazard category 2

Aquatic Acute 1: Short-term (acute) aquatic hazard, hazard category 1

Aquatic Chronic 1: Long-term (chronic) aquatic hazard, hazard category 1

Aquatic Chronic 2: Long-term (chronic) aquatic hazard, hazard category 2

Aquatic Chronic 3: Long-term (chronic) aquatic hazard, hazard category 3

· 16.3 Key literature references and sources for data:

<https://echa.europa.eu/>

<https://chem.nlm.nih.gov/>

<https://www.osha.gov/>

<http://www.unece.org/>

<http://www.imo.org/>

<https://www.dguv.de/>

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See section 2.1 (classification).

• 16.5 Relevant H- and EUH-phrases (number and full text):

H226 Flammable liquid and vapour

H228 Flammable solid

H301 Toxic if swallowed

H302 Harmful if swallowed

H304 May be fatal if swallowed and enters airways

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H318 Causes serious eye damage

H319 Causes serious eye irritation

H400 Very toxic to aquatic life

H410 Very toxic to aquatic life with long lasting effects

H411 Toxic to aquatic life with long lasting effects

H412 Harmful to aquatic life with long lasting effects

• 16.6 Training advice:

Workers must be trained in general and specific aspects of safe work procedures for this chemical. Workers need easy to understand guidelines and instructions for safe working with this chemical. Instructions, guidelines and legally required documents need to be available for workers in easy to understand language.

• 16.7 Further information:

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, its amendment Regulation (EU) No 2020/878 and (EC) No 1272/2008.

DISCLAIMER OF LIABILITY:

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

End of safety data sheet

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

• **1.1 Product identifier**

• **Trade name:**

Air freshener

• **Other means of identification:**

Registration number: No available data.

UFI number: No available data.

• **1.2 Relevant identified uses of the substance or mixture and uses advised against on**

• **Application of the substance/ mixture:**

Consumer uses, fresh air.

• **Uses advised against:**

No available data.

• **Reason why uses advised against:**

No available data.

• **1.3 Details of the supplier of the safety data sheet**

• **Manufacturer/Supplier:**

Ningbo Attainheart Import and Export Co., Ltd.

Room 907, Building B, Yinyi Duhui International, No.559, Yageer Avenue, Haishu, Ningbo, China.

Post code: 315000

Tel: +086-574-87201850

Email: Sales1@nb-attainheart.com

National contact: Jason Hu

• **Only Representative/other EU contact point:**

Overseas Trading Limited

Top Floor Tayson House,

Methley Road,

Castleford,

WF10 1PA

Tel: +44 (0)1977 512 244

Fax: +44 (0) 1977 512 688

Email: sales@otltd.co.uk

• **Further information obtainable from:**

Ningbo Attainheart Import and Export Co., Ltd.

• **1.4 Emergency telephone number**

Country	Official advisory body	Address	Emergency number	Remark
Austria	Vergiftungsinformationszentra le (Poisons Information Centre)	Stubenring 6 1010 Wien	+43 1 406 43 43	
Belgium	Centre Anti-Poisons/ Antigifcentrum c/o Hôpital Central de la Base - Reine Astrid	Rue Bruyn 1 B -1120 Bruxelles/Brussel	+32 70 245 245	Please dial: 070 245 245 for any urgent questions about intoxication (free of charge 24/7), if not accessible, dial:

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				02 264 96 30 (standard fee)
Bulgaria	Национален токсикологичен информационен център (National Toxicological Information Centre) Многопрофилна болница за активно лечение и спешна медицина "Н.И.Пирогов" (National Clinical Toxicology Centre), Emergency Medical Institute "Pirogov"	21 Totleben Boulevard 1606 SOFIA	+359 2 9154 409	
Croatia	Centar za kontrolu otrovanja Institut za medicinska istraživanja i medicinu rada	Ksaverska Cesta 2 p.p. 291 10000 Zagreb	+385 1 234 8342	
Cyprus	Κέντρον Δηλητηριάσεων		1401	Operating hours 24 hours / 24 hours, 7 days a week
Czech Republic	Toxikologickéinformačnístředisko KlinikapracovníholékařstvíVFN a 1. LF UK	Na Bojišti 1 120 00 Praha 2	+420 224 919 293 +420 224 915 402	
Denmark	Giftilinjen Bispebjerg Hospital	Bispebjerg Bakke 23 2400 København NV	+45 82 12 12 12	
Estonia	Mürgistusteabekeskus	Gonsiori 29 15027 Tallinn	16662 +372 626 93 90	
Finland	Myrkytystietokeskus	Stenbäckinkatu 9 PO BOX 100 29 Helsinki	+358 9 471 977 +358 9 4711	
France	Centre Antipoison et de Toxicovigilance de Paris Hôpital Fernand Widal	200 rue du Faubourg Saint-Denis 75475 Paris Cedex 10	+33 1 40 05 48 48	
France	Centre Antipoison et de Toxicovigilance de Marseille Hôpital Sainte Marguerite	270 boulevard de Sainte Marguerite 13274 Marseille Cedex 09	+33 4 91 75 25 25	
Germany	Giftnotruf München Toxikologische Abteilung der II. Med. Klinik und Poliklinik rechts der Isar der Technischen Universität München	Ismaninger Straße 22 81675 München	+49 (0) 89 19240	
Germany	Giftnotruf der Charité CBF, Haus VIII (Wirtschaftsgebäude), UG	Hindenburgdamm 30 12203 Berlin	+49 (0) 30 19240	
Greece	Poisons Information Centre Children's Hospital P&A Kyriakou	11762 Athens	+30 2 10 779 3777	

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<i>Hungary</i>	<i>Országos Kémiai Biztonsági Intézet Egészségügyi Toxikológiai Tájékoztató Szolgálat</i>	<i>Nagyvárad tér 2. 1437 Budapest, Pf. 839 1097 Budapest</i>	<i>+36 80 20 11 99</i>	
<i>Iceland</i>	<i>Eitrunarmiðstöð Landspítali</i>	<i>Fossvogi 108 Reykjavik</i>	<i>+354 543 22 22</i>	
<i>Ireland</i>	<i>National Poisons Information Centre Beaumont Hospital</i>	<i>PO Box 1297 Beaumont Road 9 Dublin</i>	<i>+353 1 809 2566 (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)</i>	
<i>Italy</i>	<i>Centro Antiveleeni Dipartimento di Tossicologia Clinica, Universita Cattolica del Sacro Cuore</i>	<i>Largo Agostino Gemelli 8 168 Roma</i>	<i>+39 06 305 4343</i>	
<i>Latvia</i>	<i>Valsts Toksikoloģijas centrs, Saindēšanās un zāļu informācijas centrs</i>	<i>Hipokrāta 2 1038 Rīga</i>	<i>+371 67 04 24 73</i>	
<i>Lithuania</i>	<i>Apsinuodijimų informacijos biuras</i>	<i>Birutės g. 56 8110 Vilnius</i>	<i>+370 5 236 20 52 +370 687 53378</i>	
<i>Luxembourg</i>	<i>Centre Anti-Poisons/ Antigifcentrum c/o Hôpital Central de la Base - Reine Astrid</i>	<i>Rue Bruyn 1 1120 Bruxelles/Brussel</i>	<i>+352 8002 5500</i>	
<i>Malta</i>	<i>Medicines & Poisons Info Office</i>	<i>Mater Dei Hospital MSD Msida</i>	<i>+356 2545 6504</i>	
<i>Netherlands</i>	<i>Nationaal Vergiftigingen Informatie Centrum Universitair Medisch Centrum Utrecht, Het Nationaal Vergiftigingen Informatie Centrum (NVIC) informeert (dieren-) artsen, apothekers en andere professionele hulpverleners over de mogelijke gezondheidseffecten en behandelingsmogelijkheden bij vergiftigingen. Het NVIC is hiervoor dag en nacht bereikbaar, zowel telefonisch als via internet</i>	<i>Huispostnummer B.00.118 PO Box 85500 3508 GA Utrecht</i>	<i>+31 30 274 88 88</i>	<i>Only for the purpose of informing medical personnel in cases of acute intoxications</i>
<i>Norway</i>	<i>Giftnormasjonen Helsedirektoratet</i>	<i>P.O. Box 7000 St. Olavs Plass 130 Oslo</i>	<i>+47 22 591300</i>	
<i>Poland</i>	<i>National Poisons Information Centre The Nofer Institute of Occupational Medicine (Łódź)</i>	<i>ul. Teresy 8 P.O. BOX 199 90950 Łódź</i>	<i>+48 42 63 14 724</i>	
<i>Portugal</i>	<i>Centro de</i>	<i>Rua Almirante Barroso,</i>	<i>+351 808 250 143</i>	

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	<i>Informação Antivenenos Instituto Nacional de Emergência Médica</i>	<i>36 1000-013 Lisboa</i>		
<i>Romania</i>	<i>Department of Clinical Toxicology Spitalul de Urgenta Floreasca</i>	<i>Calea Floreasca Bucuresti</i>	<i>+40 21 230 8000</i>	
<i>Serbia</i>	<i>Nacionalni centar za kontrolu trovanja - VMA</i>	<i>Crnotravska 17 11000 Beograd</i>	<i>+381 11 360 84 40 (24h) +381 11 3672 187</i>	
<i>Slovakia</i>	<i>Národné toxikologické informačné centrum Univerzitná nemocnica Bratislava, pracovisko Kramáre, Klinika pracovného hľadiska a toxikológie</i>	<i>Limbová 5 833 05 Bratislava</i>	<i>+421 2 54 77 41 66</i>	
<i>Slovenia</i>	<i>Center za kliničnotoksikologijo in farmakologijo Internaklinika, UKCL</i>	<i>Zaloška cesta 7 1525 Ljubljana</i>	<i>+386 41 650 500</i>	
<i>Spain</i>	<i>Servicio de Información Toxicológica Instituto Nacional de Toxicología y Ciencias Forenses, Departamento de Sevilla</i>	<i>Carretera de San Jerónimo Km 0,4 41080 Sevilla</i>	<i>+34 91 562 04 20</i>	<i>(Toxicological emergencies only). Information in Spanish (24/7)</i>
<i>Spain</i>	<i>Servicio de Información Toxicológica Instituto Nacional de Toxicología y Ciencias Forenses, Departamento de Madrid</i>	<i>C/José Echegaray nº4 28232 Las Rozas de Madrid</i>	<i>+34 91 562 04 20</i>	<i>(Toxicological emergencies only). Information in Spanish (24/7)</i>
<i>Sweden</i>	<i>Giftinformationscentralen</i>	<i>Box 60 500 171 76 Stockholm</i>	<i>112 – begär Giftinformation +46 10 456 6700 (Från utlandet)</i>	
<i>Switzerland</i>	<i>Tox Info Suisse</i>	<i>Freiestrasse 16 8032 Zürich</i>	<i>145</i>	<i>(from abroad: +41 44 251 51 51) non urgent inquiry: +41 44 251 66 66</i>
<i>United Kingdom</i>	<i>National Poisons Information Service (Belfast Centre) Royal Victoria Hospital</i>	<i>Grosvenor Road BT12 6BA Belfast</i>	<i>0344 892 0111</i>	<i>Only for the purpose of informing medical personnel in cases of acute intoxications</i>

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
- 2.1.1 Classification according to regulation (EC) 1272/2008:

The product is not classified according to CLP Regulation.

Regulation (EC) No 1272/2008 [CLP]	Classification procedure
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Not applicable

Not applicable

2.2 Label elements**Labeling according to Regulation (EC) No 1272/2008:**

The product is labelled according to Regulation (EC) No 1272/2008.

Hazard pictograms:

Not applicable

Signal word:

Not applicable

Hazard-determining components of labelling:

Not applicable

Hazard statements:

Not applicable

Precautionary statement:

Not applicable

Supplemental label elements:

EUH208: Contains Linalool; Geraniol; 7-Hydroxy-3,7-dimethyloctanal; Cyclamen aldehyde; Citronellol. May produce an allergic reaction.

2.3 Other hazardsNone of the ingredients ($\geq 0.1\%$) meets the criteria for PBT/vPvB in accordance with Annex XIII.None of the ingredients ($\geq 0.1\%$) is identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100.**SECTION 3: Composition/information on ingredients****3.1 Substance**

Not applicable

3.2 Mixtures**Description of the mixture:**

Air freshener.

Ingredients:						
Substance	CAS No.	Index No.	EC No.	w/w, %	CLP Classification	SCL/M-factor/ATE
Water	7732-18-5	-	231-791-2	81.9	None	-
Hydrogenated castor oil	8001-78-3	-	232-292-2	12	None	-
Oxydipropanol	25265-71-8	-	246-770-3	3.3-3.9	None	-
Benzyl acetate	140-11-4	-	205-399-7	0.06-0.3	Aquatic Chronic 3, H412	-
Dimethyl benzyl carbiny acetate	151-05-3	-	205-781-3	0.06-0.3	Skin Irrit. 2, H315 Aquatic Chronic 3, H412	-
Linalool	78-70-6	603-235-00-2	201-134-4	0.1872	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319	-
Geraniol	106-24-1	603-241-00-5	203-377-1	0.1824	Skin Irrit. 2, H315	-

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					Skin Sens. 1, H317 Eye Dam. 1, H318	
7-Hydroxy-3,7-dimethyloctanal	107-75-5	-	203-518-7	0.1554	Skin Sens. 1B, H317 Eye Irrit. 2, H319	-
Cyclamen aldehyde	103-95-7	-	203-161-7	0-0.12	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Chronic 3, H412	-
Citronellol	106-22-9	-	203-375-0	0.1188	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319	-
Pigment	-	-	-	0.1	None	-
Methyl ionone gamma	127-51-5	-	204-846-3	0.0816	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319 Aquatic Chronic 2, H411	-
Eugenol	97-53-0	-	202-589-1	0.0576	Skin Sens. 1B, H317 Eye Irrit. 2, H319	-

Additional information:

For full text of H-statements, see SECTION 16.

SECTION 4: First aid measures**4.1 Description of first aid measures****General advice:**

Get medical attention if you feel unwell.

After inhalation:

Supply with fresh air.

Get medical attention if you feel unwell.

After skin contact:

Wash with water.

If there are signs of irritation or other symptoms, seek medical attention.

After eye contact:

Rinse cautiously with water for several minutes.

If eye irritation occurs: Get medical advice/attention.

After swallowing:

Rinse mouth.

Call a POISON CENTER/doctor if you feel unwell.

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

Acute and delayed effects are as indicated in sections 2 and 11.

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

Treat according to symptom, there is not known specific medicine.

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SECTION 5: Fire-fighting measures

5.1 Extinguishing media**Suitable extinguishing agents:**

Use CO₂, chemical powder, water spray or alcohol resistant foam to extinguish.

Unsuitable extinguishing media:

Water with full jet.

5.2 Special hazards arising from the substance or mixture:

May form allergic vapor in air under fire.

5.3 Advice for firefighters**Protective equipment:**

Wear self-contained breathing apparatus for firefighting.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures**6.1.1 For non-emergency personnel****Protective equipment:**

Eye protection/ Respiration protection.

Emergency procedures:

Avoid breathing vapor/mist.

Avoid contact with eyes.

6.1.2 For emergency responders**Personal protective equipment:**

Eye protection/ Respiration protection.

6.2 Environmental precautions:

Prevent further leakage or spillage if safe to do so.

Prevent spillage from entering drains, sewer, basement or confined areas.

If the spillage contaminates rivers, lakes or drains inform respective authorities.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to section 13.

6.4 Reference to other sections:

See section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling:

Ensure adequate ventilation at workplace.

Avoid breathing vapor.

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Avoid contact with eyes.

- **Information about fire and explosion protection:**

Normal measures for preventive fire protection.

- **7.2 Conditions for safe storage, including any non-compatibility**

- **Requirements to be met by storerooms and receptacles:**

Store in a cool and well-ventilated place.

- **Information about storage in one common storage facility:**

No further requirements.

- **Further information about storage conditions:**

No further requirements.

- **Storage class:**

12.

- **7.3 Specific end use(s):**

See section 1.2.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**

Country	Limit value - Eight hours	Limit value - Short term
25265-71-8 Oxydipropanol		
Germany (AGS)	100mg/m ³ Inhalable fraction and vapour	200mg/m ³ Inhalable fraction and vapour; 15 minutes average value
Germany (DFG)	100mg/m ³ Inhalable fraction; Inhalable fraction and vapour	200mg/m ³ Inhalable fraction; Inhalable fraction and vapour; 15 minutes average value
140-11-4 Benzyl acetate		
Belgium	10ppm; 62mg/m ³	-
Denmark	10ppm; 61mg/m ³	20ppm; 122mg/m ³
Latvia	5mg/m ³	-
Romania	8ppm; 50mg/m ³	13ppm; 80mg/m ³ 15 minutes average value
Spain	10ppm; 62mg/m ³	-

- **DNELs:**

DNEL type	DNEL worker value	DNEL consumer value	
25265-71-8 Oxydipropanol			
Systemic effects	Long-term, inhalation exposure	238 mg/m ³	70 mg/m ³
	Long-term, dermal exposure	84 mg/kg bw/day	51 mg/kg bw/day
	Long-term, oral exposure	-	24 mg/kg bw/day
140-11-4 Benzyl acetate			
Systemic effects	Long-term, inhalation exposure	9 mg/m ³	2.2 mg/m ³
	Long-term, dermal exposure	2.5 mg/kg bw/day	1.3 mg/kg bw/day
	Long-term, oral exposure	-	1.3 mg/kg bw/day

- **PNECs:**

PNEC type	Value

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25265-71-8 Oxydipropanol	
Freshwater	100 µg/L
Intermittent releases (freshwater)	1 mg/L
Marine water	10 µg/L
Sewage treatment plant (STP)	1 g/L
Sediment (freshwater)	238 µg/kg sediment dw
Soil	25.3 µg/kg soil dw
Secondary poisoning	313 mg/kg food
140-11-4 Benzyl acetate	
Freshwater	18.4 µg/L
Intermittent release	40 µg/L
Marine water	1.84 µg/L
Sewage treatment plant	8.55 mg/L
Sediment, freshwater	526 µg/kg sediment dw
Sediment, marine water	52.6 µg/kg sediment dw

• Additional information:

The lists valid during the marking were used as basis.

• 8.2 Exposure controls

• **Based on the composition shown in section 3, the following measures are suggested for occupational safety measure.**

• Appropriate engineering controls:

Handle in accordance with good industrial hygiene and safety practice.

Wash hands and face before breaks and at the end of work.

Take off contaminated clothing and wash it before reuse.

See section 7 for information about design of technical facilities.

• Personal protective equipment**• Eye and face protection:**

Not required under normal conditions of use.

For industrial applications, following protection required:

**Safety glasses**

Protective goggles with side-shields.

• Skin protection**• Hand protection:**

Not required under normal conditions of use.

For industrial applications, following protection required:

**Protective gloves**

Gloves made from butyl rubber Neoprene™ rubber, nitrile rubber (thickness > 0.3mm; breakthrough times up to 480 minutes).

• Other skin protection:

Not required under normal conditions of use.

For industrial applications, following protection required:

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Trade Name: Air freshener**Face protection****Safety boots****Safety overalls**

Face shield, gauntlets, boots, bodysuit are recommended.

• **Respiration protection:**

Not required under normal conditions of use.

For industrial applications, following protection required:

**Respiratory equipment**

Use positive pressure breathing mask if concentrations in air could exceed occupational exposure standard.

• **Thermal hazards:**

Not required under normal conditions of use.

For industrial applications, following protection required:

The gauntlets, boots, bodysuit and other personal protective equipment must be flame retardant and no heat-conducting.

• **Environmental exposure controls:**

Control measures must be made in accordance with Community environmental protection legislation.

SECTION 9: Physical and chemical properties

• **9.1 Information on basic physical and chemical properties**

• Physical state	Liquid
• Color	Colorful
• Odor & Odor threshold	Characteristic odor
• Melting point/freezing point (or softening point/range)	Not determined
• Boiling point or initial boiling point and boiling range	100°C (water)
• Flammability	Not flammable liquid
• Lower and upper explosion limit	Not determined
• Flash point	>93°C
• Auto-ignition temperature	Not determined
• Decomposition temperature	Not applicable
• pH	4-8 (20°C)
• Kinematic viscosity (mm²/s)	Not determined
• Solubility	Soluble in water
• Partition coefficient n-octanol/water (log value)	Not applicable
• Vapor pressure	Not determined
• Density and/or relative density	Not determined
• Relative vapor density	Not determined
• Particle characteristics	Not applicable
• 9.2 Other information	
• 9.2.1 Information with regard to physical hazard classes:	
• Explosives	Not applicable

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· Flammable gases	Not applicable
· Aerosols	Not applicable
· Oxidising gases	Not applicable
· Gases under pressure	Not applicable
· Flammable liquids	Not applicable
· Flammable solids	Not applicable
· Self-reactive substances and mixtures	Not applicable
· Pyrophoric liquids	Not applicable
· Pyrophoric solids	Not applicable
· Self-heating substances and mixtures	Not applicable
· Substances and mixtures, which emit flammable gases in contact with water	Not applicable
· Oxidizing liquids	Not applicable
· Oxidizing solids	Not applicable
· Organic peroxides	Not applicable
· Corrosive to metals	Not applicable
· Desensitised explosives	Not applicable
· 9.2.2 Other safety characteristics	
· Mechanical sensitivity	Not applicable
· Self-accelerating polymerisation temperature	Not applicable
· Formation of explosible dust/air mixtures	Not applicable
· Acid/alkaline reserve	Not applicable
· Evaporation rate	Not determined
· Miscibility	Not determined
· Conductivity	Not applicable
· Corrosiveness	Not applicable
· Gas group	Not applicable
· Redox potential	Not applicable
· Radical formation potential	Not applicable
· Photocatalytic properties	Not applicable
· Other physical and chemical parameters	Not determined

SECTION 10: Stability and reactivity

· 10.1 Reactivity:

The product is non-reactive under normal conditions of use, storage and transport.

· 10.2 Chemical stability:

Under storage at normal ambient temperatures, the product is stable.

· 10.3 Possibility of hazardous reactions:

No known hazardous reaction.

· 10.4 Conditions to avoid:

High temperature.

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Trade Name: Air freshener**• 10.5 Incompatible materials:**

Strong oxidizing agent and acids.

• 10.6 Hazardous decomposition products:

Does not decompose when used for intended uses.

SECTION 11: Toxicological information**• 11.1 Information on toxicological effects****• Acute toxicity:**

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

• LD50/LC50 values relevant for classification:

140-11-4 Benzyl acetate

Guinea pig	LD50-oral	2200mg/kg
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Rat	LD50-oral	2490mg/kg
-----	-----------	-----------

Mouse	LD50-oral	830mg/kg
-------	-----------	----------

Rabbit	LD50-skin	>5000mg/kg
--------	-----------	------------

	LD50-oral	2200mg/kg
--	-----------	-----------

151-05-3 Dimethyl benzyl carbinyl acetate

Rat	LD50-oral	3300mg/kg
-----	-----------	-----------

103-95-7 Cyclamen aldehyde

Rat	LD50-oral	3810mg/kg
-----	-----------	-----------

	LD50-skin	>5000mg/kg
--	-----------	------------

78-70-6 Linalool

Rabbit	LD50-skin	5610mg/kg
--------	-----------	-----------

Rat	LD50-oral	2790mg /kg
-----	-----------	------------

	LD50-skin	5610mg/kg
--	-----------	-----------

Mouse	LD50-oral	3000mg/kg
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Remark: All the above data are from literature.

• Skin corrosion/irritation:

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

• Serious eyes damage/ irritation:

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

• Respiratory or skin sensitization:

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

• Germ cell mutagenicity:

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

• Carcinogenicity:

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

• Reproductive toxicity:

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

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Trade Name: Air freshener**· 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.

· 11.2 Information on other hazards**· 11.2.1 Endocrine disrupting properties:**None of the ingredients ($\geq 0.1\%$) is considered to have endocrine-disrupting properties with respect to humans, as none of them meet the criteria set out in section A of Regulation (EU) No 2017/2100.**· 11.2.2 Other information:**

No known other relevant information on adverse health effects.

SECTION 12: Ecological information**· 12.1 Toxicity:****LC50/EC50/NOEC values relevant for classification:**

140-11-4 Benzyl acetate

Short-term toxicity to fish	LC50 (4 days) 4 mg/L
Long-term toxicity to fish	NOEC (28 days) 920 µg/L
Short-term toxicity to aquatic invertebrates	EC50 (48 h) 17 mg/L
Toxicity to aquatic algae and cyanobacteria	EC50 (72 h) 92 - 110 mg/L
Toxicity to microorganisms	EC50 (3 h) 855 mg/L

151-05-3 Dimethyl benzyl carbinyl acetate

Short-term toxicity to fish	LC50 (4 days) 8.901 mg/L
Short-term toxicity to aquatic invertebrates	EC50 (48 h) 15.4 mg/L
Toxicity to aquatic algae and cyanobacteria	EC50 (4 days) 4.766 mg/L
Toxicity to microorganisms	EC50 (3 h) 637 - 713 mg/L NOEC (3 h) 312.5 mg/L

78-70-6 Linalool

Short-term toxicity to fish	LC50 (4 days) 27.8 mg/L
Short-term toxicity to aquatic invertebrates	EC50 (48 h) 59 mg/L NOEC (48 h) 25 mg/L
Toxicity to aquatic algae and cyanobacteria	EC50 (4 days) 88.3 - 156.7 mg/L
Toxicity to microorganisms	EC50 (3 h) 100 mg/L

· 12.2 Persistence and degradability:

140-11-4	Benzyl acetate	Readily biodegradable in water
151-05-3	Dimethyl benzyl carbinyl acetate	Readily biodegradable
78-70-6	Linalool	Readily biodegradable in water

· 12.3 Bio-accumulative potential:

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140-11-4	Benzyl acetate	Log Pow = 1.96
151-05-3	Dimethyl benzyl carbinyl acetate	Log Pow = 3.64
78-70-6	Linalool	Log Pow = 2.84 - 2.9

• **12.4 Mobility in soil:**

140-11-4	Benzyl acetate	Log Koc = 2.40
78-70-6	Linalool	Log Koc = 6.5

• **12.5 Results of PBT and vPvB assessment:**

This mixture does not contain any substances ($\geq 0.1\%$) that are assessed to be a PBT or a vPvB.

• **12.6 Endocrine disrupting properties:**

None of the ingredients ($\geq 0.1\%$) is considered to have endocrine-disrupting properties with respect to non-target organisms, as none of them meet the criteria set out in section B of Regulation (EU) No 2017/2100.

• **12.7 Other adverse effects:**

No known other adverse effects.

• **12.8 Additional ecological information**

• **General notes:**

WGK1 (German Regulation) (self-assessment): Low hazard to waters.

Do not allow large quantities of the product to reach ground water, water course or sewage system.

SECTION 13: Disposal consideration

• **13.1 Waste treatment methods**

• **Recommendation:**

Must not be disposed together with household garbage.

• **13.2 Un-cleaned packaging**

• **Recommendation:**

Dispose of contents/container in according to the local/regional/national/ international regulation.

SECTION 14: Transport information

• **ADR/ADN/RID (2023 Edition)**

This product is not subject to ADR/ADN/RID.

• **IATA-DGR (64th)**

This product is not subject to IATA-DGR.

• **IMO/IMDG (40-20)**

This product is not subject to IMO/IMDG code.

SECTION 15: Regulatory information

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

• **MAK (German Maximum Workplace Concentration):**

None of the ingredients is listed.

• **Directive 2012/18/EU**

• **Named dangerous substances-ANNEX I:**

None of the ingredients is listed.

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Trade Name: Air freshener**• Seveso category:**

Not applicable

• Qualifying quantity (tonnes) for the application of lower-tier requirements:

Not applicable

• Qualifying quantity (tonnes) for the application of upper-tier requirements:

Not applicable

• National regulations.**• Water hazard class:**

WGK1 (German Regulation) (self-assessment): Low hazard to waters.

• Other regulations, limitations and prohibitive regulations**• SVHC Candidate list of REACH Regulation Annex XIV Authorization:**

None of the ingredients is listed.

• REACH Regulation Annex XVII Restriction:

None of the ingredients is listed.

• REACH Regulation Annex XIV Authorization List:

None of the ingredients is listed.

• 15.2 Chemical safety assessment:

A Chemical Safe Assessment has not been carried out.

SECTION 16: Other information**• 16.1 Indication of changes:**

None.

16.2 Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road).

IMDG: International Maritime Code for Dangerous Goods.

IATA: International Air Transport Association.

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

PBT: Persistent, Bio accumulative and Toxic

vPvB: very persistent and very bio accumulative

SVHC: Substance of Very High Concern

LD50: Lethal dose, 50 percent

LC50: Lethal concentration, 50 percent

EC50: Concentration of maximal effect, 50 percent

NOEC: No observed effect concentration

Skin Irrit.2: Skin corrosion/irritation, hazard category 2

Skin Sens. 1: Skin sensitization, hazard category 1

Eye Dam. 1: Eye damage/irritation, hazard category 1

Eye Irrit. 2: Eye damage/irritation, hazard category 2

Aquatic Chronic 2: Long-term (chronic) aquatic hazard, hazard category 2

Aquatic Chronic 3: Long-term (chronic) aquatic hazard, hazard category 3

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Trade Name: Air freshener**· 16.3 Key literature references and sources for data:**<https://echa.europa.eu/><https://chem.nlm.nih.gov/><https://www.osha.gov/><http://www.unece.org/><http://www.imo.org/><https://www.dguv.de/><https://epa.govt.nz/><http://www.ilo.org/><https://www.phmsa.dot.gov/>**· 16.4 Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]:**

See section 2.1 (classification).

· 16.5 Relevant H- and EUH-phrases (number and full text):

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H318 Causes serious eye damage

H319 Causes serious eye irritation

H411 Toxic to aquatic life with long lasting effects

H412 Harmful to aquatic life with long lasting effects

· 16.6 Training advice:

Workers must be trained in general and specific aspects of safe work procedures for this chemical. Workers need easy to understand guidelines and instructions for safe working with this chemical. Instructions, guidelines and legally required documents need to be available for workers in easy to understand language.

· 16.7 Further information:

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, its amendment Regulation (EU) No 2020/878 and (EC) No 1272/2008.

DISCLAIMER OF LIABILITY:

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

End of safety data sheet

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

• **1.1 Product identifier**

• **Trade name:**

Air freshener

• **Other means of identification:**

Registration number: No available data.

UFI number: No available data.

• **1.2 Relevant identified uses of the substance or mixture and uses advised against on**

• **Application of the substance/ mixture:**

Consumer uses, fresh air.

• **Uses advised against:**

No available data.

• **Reason why uses advised against:**

No available data.

• **1.3 Details of the supplier of the safety data sheet**

• **Manufacturer/Supplier:**

Ningbo Attainheart Import and Export Co., Ltd.

Room 907, Building B, Yinyi Duhui International, No.559, Yageer Avenue, Haishu, Ningbo, China.

Post code: 315000

Tel: +086-574-87201850

Email: Sales1@nb-attainheart.com

National contact: Jason Hu

• **Only Representative/other EU contact point:**

Overseas Trading Limited

Top Floor Tayson House,

Methley Road,

Castleford,

WF10 1PA

Tel: +44 (0)1977 512 244

Fax: +44 (0) 1977 512 688

Email: sales@otltd.co.uk

• **Further information obtainable from:**

Ningbo Attainheart Import and Export Co., Ltd.

• **1.4 Emergency telephone number**

Country	Official advisory body	Address	Emergency number	Remark
Austria	Vergiftungsinformationszentra le (Poisons Information Centre)	Stubenring 6 1010 Wien	+43 1 406 43 43	
Belgium	Centre Anti-Poisons/ Antigifcentrum c/o Hôpital Central de la Base - Reine Astrid	Rue Bruyn 1 B -1120 Bruxelles/Brussel	+32 70 245 245	Please dial: 070 245 245 for any urgent questions about intoxication (free of charge 24/7), if not accessible, dial:

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				02 264 96 30 (standard fee)
Bulgaria	Национален токсикологичен информационен център (National Toxicological Information Centre) Многопрофилна болница за активно лечение и спешна медицина "Н.И.Пирогов" (National Clinical Toxicology Centre), Emergency Medical Institute "Pirogov"	21 Totleben Boulevard 1606 SOFIA	+359 2 9154 409	
Croatia	Centar za kontrolu otrovanja Institut za medicinska istraživanja i medicinu rada	Ksaverska Cesta 2 p.p. 291 10000 Zagreb	+385 1 234 8342	
Cyprus	Κέντρον Δηλητηριάσεων		1401	Operating hours 24 hours / 24 hours, 7 days a week
Czech Republic	Toxikologickéinformačnístředisko KlinikapracovníholékařstvíVFN a 1. LF UK	Na Bojišti 1 120 00 Praha 2	+420 224 919 293 +420 224 915 402	
Denmark	Giftilinjen Bispebjerg Hospital	Bispebjerg Bakke 23 2400 København NV	+45 82 12 12 12	
Estonia	Mürgistusteabekeskus	Gonsiori 29 15027 Tallinn	16662 +372 626 93 90	
Finland	Myrkytystietokeskus	Stenbäckinkatu 9 PO BOX 100 29 Helsinki	+358 9 471 977 +358 9 4711	
France	Centre Antipoison et de Toxicovigilance de Paris Hôpital Fernand Widal	200 rue du Faubourg Saint-Denis 75475 Paris Cedex 10	+33 1 40 05 48 48	
France	Centre Antipoison et de Toxicovigilance de Marseille Hôpital Sainte Marguerite	270 boulevard de Sainte Marguerite 13274 Marseille Cedex 09	+33 4 91 75 25 25	
Germany	Giftnotruf München Toxikologische Abteilung der II. Med. Klinik und Poliklinik rechts der Isar der Technischen Universität München	Ismaninger Straße 22 81675 München	+49 (0) 89 19240	
Germany	Giftnotruf der Charité CBF, Haus VIII (Wirtschaftsgebäude), UG	Hindenburgdamm 30 12203 Berlin	+49 (0) 30 19240	
Greece	Poisons Information Centre Children's Hospital P&A Kyriakou	11762 Athens	+30 2 10 779 3777	

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<i>Hungary</i>	<i>Országos Kémiai Biztonsági Intézet Egészségügyi Toxikológiai Tájékoztató Szolgálat</i>	<i>Nagyvárad tér 2. 1437 Budapest, Pf. 839 1097 Budapest</i>	<i>+36 80 20 11 99</i>	
<i>Iceland</i>	<i>Eitrunarmiðstöð Landspítali</i>	<i>Fossvogi 108 Reykjavik</i>	<i>+354 543 22 22</i>	
<i>Ireland</i>	<i>National Poisons Information Centre Beaumont Hospital</i>	<i>PO Box 1297 Beaumont Road 9 Dublin</i>	<i>+353 1 809 2566 (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)</i>	
<i>Italy</i>	<i>Centro Antiveleeni Dipartimento di Tossicologia Clinica, Universita Cattolica del Sacro Cuore</i>	<i>Largo Agostino Gemelli 8 168 Roma</i>	<i>+39 06 305 4343</i>	
<i>Latvia</i>	<i>Valsts Toksikoloģijas centrs, Saindēšanās un zāļu informācijas centrs</i>	<i>Hipokrāta 2 1038 Rīga</i>	<i>+371 67 04 24 73</i>	
<i>Lithuania</i>	<i>Apsinuodijimų informacijos biuras</i>	<i>Birutės g. 56 8110 Vilnius</i>	<i>+370 5 236 20 52 +370 687 53378</i>	
<i>Luxembourg</i>	<i>Centre Anti-Poisons/ Antigifcentrum c/o Hôpital Central de la Base - Reine Astrid</i>	<i>Rue Bruyn 1 1120 Bruxelles/Brussel</i>	<i>+352 8002 5500</i>	
<i>Malta</i>	<i>Medicines & Poisons Info Office</i>	<i>Mater Dei Hospital MSD Msida</i>	<i>+356 2545 6504</i>	
<i>Netherlands</i>	<i>Nationaal Vergiftigingen Informatie Centrum Universitair Medisch Centrum Utrecht, Het Nationaal Vergiftigingen Informatie Centrum (NVIC) informeert (dieren-) artsen, apothekers en andere professionele hulpverleners over de mogelijke gezondheidseffecten en behandelingsmogelijkheden bij vergiftigingen. Het NVIC is hiervoor dag en nacht bereikbaar, zowel telefonisch als via internet</i>	<i>Huispostnummer B.00.118 PO Box 85500 3508 GA Utrecht</i>	<i>+31 30 274 88 88</i>	<i>Only for the purpose of informing medical personnel in cases of acute intoxications</i>
<i>Norway</i>	<i>Giftnformasjonen Helsedirektoratet</i>	<i>P.O. Box 7000 St. Olavs Plass 130 Oslo</i>	<i>+47 22 591300</i>	
<i>Poland</i>	<i>National Poisons Information Centre The Nofer Institute of Occupational Medicine (Łódź)</i>	<i>ul. Teresy 8 P.O. BOX 199 90950 Łódź</i>	<i>+48 42 63 14 724</i>	
<i>Portugal</i>	<i>Centro de</i>	<i>Rua Almirante Barroso,</i>	<i>+351 808 250 143</i>	

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	<i>Informação Antivenenos Instituto Nacional de Emergência Médica</i>	<i>36 1000-013 Lisboa</i>		
<i>Romania</i>	<i>Department of Clinical Toxicology Spitalul de Urgenta Floreasca</i>	<i>Calea Floreasca Bucuresti</i>	<i>+40 21 230 8000</i>	
<i>Serbia</i>	<i>Nacionalni centar za kontrolu trovanja - VMA</i>	<i>Crnotravska 17 11000 Beograd</i>	<i>+381 11 360 84 40 (24h) +381 11 3672 187</i>	
<i>Slovakia</i>	<i>Národné toxikologické informačné centrum Univerzitná nemocnica Bratislava, pracovisko Kramáre, Klinika pracovného hľadiska a toxikológie</i>	<i>Limbová 5 833 05 Bratislava</i>	<i>+421 2 54 77 41 66</i>	
<i>Slovenia</i>	<i>Center za kliničnotoksikologijo in farmakologijo Internaklinika, UKCL</i>	<i>Zaloška cesta 7 1525 Ljubljana</i>	<i>+386 41 650 500</i>	
<i>Spain</i>	<i>Servicio de Información Toxicológica Instituto Nacional de Toxicología y Ciencias Forenses, Departamento de Sevilla</i>	<i>Carretera de San Jerónimo Km 0,4 41080 Sevilla</i>	<i>+34 91 562 04 20</i>	<i>(Toxicological emergencies only). Information in Spanish (24/7)</i>
<i>Spain</i>	<i>Servicio de Información Toxicológica Instituto Nacional de Toxicología y Ciencias Forenses, Departamento de Madrid</i>	<i>C/José Echegaray nº4 28232 Las Rozas de Madrid</i>	<i>+34 91 562 04 20</i>	<i>(Toxicological emergencies only). Information in Spanish (24/7)</i>
<i>Sweden</i>	<i>Giftinformationscentralen</i>	<i>Box 60 500 171 76 Stockholm</i>	<i>112 – begär Giftinformation +46 10 456 6700 (Från utlandet)</i>	
<i>Switzerland</i>	<i>Tox Info Suisse</i>	<i>Freiestrasse 16 8032 Zürich</i>	<i>145</i>	<i>(from abroad: +41 44 251 51 51) non urgent inquiry: +41 44 251 66 66</i>
<i>United Kingdom</i>	<i>National Poisons Information Service (Belfast Centre) Royal Victoria Hospital</i>	<i>Grosvenor Road BT12 6BA Belfast</i>	<i>0344 892 0111</i>	<i>Only for the purpose of informing medical personnel in cases of acute intoxications</i>

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
- 2.1.1 Classification according to regulation (EC) 1272/2008:

Regulation (EC) No 1272/2008 [CLP]	Classification procedure
<i>Aquatic Chronic 3, H412</i>	<i>Summation method</i>

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Trade Name: Air freshener**2.1.2 Additional information:**

For full text of Hazard- and EU Hazard-statements: see SECTION 16.

2.2 Label elements**Labeling according to Regulation (EC) No 1272/2008:**

The product is labelled according to Regulation (EC) No 1272/2008.

Hazard pictograms:

No pictogram is used

Signal word:

No signal word is used

Hazard-determining components of labelling:

Not applicable

Hazard statements:

H412 Harmful to aquatic life with long lasting effects

Precautionary statement:

P273 Avoid release to the environment.

P501 Dispose of contents/container in accordance with local/regional/national/international regulation.

Supplemental label elements:

EUH208: Contains Piperonal. May produce an allergic reaction.

2.3 Other hazardsNone of the ingredients ($\geq 0.1\%$) meets the criteria for PBT/vPvB in accordance with Annex XIII.None of the ingredients ($\geq 0.1\%$) is identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100.**SECTION 3: Composition/information on ingredients****3.1 Substance**

Not applicable

3.2 Mixtures**Description of the mixture:**

Air freshener.

Ingredients:						
Substance	CAS No.	Index No.	EC No.	w/w, %	CLP Classification	SCL/M-factor/ATE
Water	7732-18-5	-	231-791-2	81.9	None	-
Hydrogenated castor oil	8001-78-3	-	232-292-2	12	None	-
Oxydipropanol	25265-71-8	-	246-770-3	4.38-4.98	None	-
Lauric acid	143-07-7	-	205-582-1	0.06-0.54	Eye Dam. 1, H318	-
Decan-5-olide	705-86-2	-	211-889-1	0.06-0.36	Aquatic Chronic 2, H411	
BHT	128-37-0	-	204-881-4	0.06-0.24	Acute Tox. 4, H302 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	ATE (oral)=890 mg/kg M=1 M(Chronic)=1

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Piperonal	120-57-0	-	204-409-7	0-0.12	Skin Sens. 1B, H317	-
Pigment	-	-	-	0.1	None	-
Coumarin	91-64-5	-	202-086-7	0.0936	Acute Tox. 3, H301 Skin Sens. 1, H317 Aquatic Chronic 3, H412	ATE (oral)=293 mg/kg

Additional information:

For full text of H-statements, see SECTION 16.

SECTION 4: First aid measures**4.1 Description of first aid measures****General advice:**

Get medical attention if you feel unwell.

After inhalation:

Supply with fresh air.

Get medical attention if you feel unwell.

After skin contact:

Wash with water.

If there are signs of irritation or other symptoms, seek medical attention.

After eye contact:

Rinse cautiously with water for several minutes.

If eye irritation occurs: Get medical advice/attention.

After swallowing:

Rinse mouth.

Call a POISON CENTER/doctor if you feel unwell.

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

Acute and delayed effects are as indicated in sections 2 and 11.

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

Treat according to symptom, there is not known specific medicine.

SECTION 5: Fire-fighting measures**5.1 Extinguishing media****Suitable extinguishing agents:**Use CO₂, chemical powder, water spray or alcohol resistant foam to extinguish.**Unsuitable extinguishing media:**

Water with full jet.

5.2 Special hazards arising from the substance or mixture:

May form allergic vapor in air under fire.

5.3 Advice for firefighters**Protective equipment:**

Wear self-contained breathing apparatus for firefighting.

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Trade Name: Air freshener**SECTION 6: Accidental release measures****· 6.1 Personal precautions, protective equipment and emergency procedures****· 6.1.1 For non-emergency personnel****Protective equipment:**

Eye protection/ Respiration protection.

Emergency procedures:

Avoid breathing vapor/mist.

Avoid contact with eyes.

· 6.1.2 For emergency responders**Personal protective equipment:**

Eye protection/ Respiration protection.

· 6.2 Environmental precautions:

Prevent further leakage or spillage if safe to do so.

Prevent spillage from entering drains, sewer, basement or confined areas.

If the spillage contaminates rivers, lakes or drains inform respective authorities.

· 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to section 13.

· 6.4 Reference to other sections:

See section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See section 13 for disposal information.

SECTION 7: Handling and storage**· 7.1 Precautions for safe handling:**

Ensure adequate ventilation at workplace.

Avoid breathing vapor.

Avoid contact with eyes.

Avoid release to the environment.

· Information about fire and explosion protection:

Normal measures for preventive fire protection.

· 7.2 Conditions for safe storage, including any non-compatibility**· Requirements to be met by storerooms and receptacles:**

Store in a cool and well-ventilated place.

· Information about storage in one common storage facility:

No further requirements.

· Further information about storage conditions:

No further requirements.

· Storage class:

12.

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· **7.3 Specific end use(s):**

See section 1.2.

SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

Country	Limit value - Eight hours	Limit value - Short term
25265-71-8 Oxydipropanol		
Germany (AGS)	100mg/m ³ Inhalable fraction and vapour	200mg/m ³ Inhalable fraction and vapour; 15 minutes average value
Germany (DFG)	100mg/m ³ Inhalable fraction; Inhalable fraction and vapour	200mg/m ³ Inhalable fraction; Inhalable fraction and vapour; 15 minutes average value
143-07-7 Lauric acid		
Germany (DFG)	2 mg/m ³ Inhalable fraction and vapour	4 mg/m ³ Inhalable fraction and vapour; 15 minutes average value
Germany (AGS)	2 mg/m ³ Inhalable fraction and vapour	4 mg/m ³ Inhalable fraction and vapour; 15 minutes average value
128-37-0 BHT		
Austria	10 mg/m ³	-
Belgium	2 mg/m ³	-
Denmark	10 mg/m ³	20 mg/m ³
Finland	10 mg/m ³	20 mg/m ³ 15 minutes average value
France	10 mg/m ³	-
Germany (AGS)	10 mg/m ³ Inhalable aerosol and vapour	40 mg/m ³ Inhalable aerosol and vapour; 15 minutes reference period
Germany (DFG)	10 mg/m ³ Inhalable fraction and vapour	40 mg/m ³ Inhalable fraction and vapour; 15 minutes reference period
Ireland	10 mg/m ³	-
United Kingdom	10 mg/m ³	-

· **DNELs:**

DNEL type	DNEL worker value	DNEL consumer value
25265-71-8 Oxydipropanol		
Systemic effects	Long-term, inhalation exposure	238 mg/m ³
	Long-term, dermal exposure	84 mg/kg bw/day
	Long-term, oral exposure	-
128-37-0 BHT		
Systemic effects	Long-term, inhalation exposure	1.76 mg/m ³
	Long-term, dermal exposure	500 µg/kg bw/day
	Long-term, oral	-

· **PNECs:**

PNEC type	Value
25265-71-8 Oxydipropanol	

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Freshwater	100 µg/L
Intermittent releases (freshwater)	1 mg/L
Marine water	10 µg/L
Sewage treatment plant (STP)	1 g/L
Sediment (freshwater)	238 µg/kg sediment dw
Soil	25.3 µg/kg soil dw
Secondary poisoning	313 mg/kg food
128-37-0 BHT	
Freshwater	199 ng/L
Intermittent releases (freshwater)	1.99 µg/L
Marine water	19.9 ng/L
Sewage treatment plant (STP)	170 µg/L
Sediment (freshwater)	458.19 µg/kg sediment dw
Sediment (marine water)	45.82 µg/kg sediment dw
Soil	53.9 µg/kg soil dw
Secondary poisoning	16.67 mg/kg food

• Additional information:

The lists valid during the marking were used as basis.

• 8.2 Exposure controls

• **Based on the composition shown in section 3, the following measures are suggested for occupational safety measure.**

• Appropriate engineering controls:

Handle in accordance with good industrial hygiene and safety practice.

Wash hands and face before breaks and at the end of work.

Take off contaminated clothing and wash it before reuse.

See section 7 for information about design of technical facilities.

• Personal protective equipment**• Eye and face protection:**

Not required under normal conditions of use.

For industrial applications, following protection required:

**Safety glasses**

Protective goggles with side-shields.

• Skin protection**• Hand protection:**

Not required under normal conditions of use.

For industrial applications, following protection required:

**Protective gloves**

Gloves made from butyl rubber Neoprene™ rubber, nitrile rubber (thickness > 0.3mm; breakthrough times up to 480 minutes).

• Other skin protection:

Not required under normal conditions of use.

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For industrial applications, following protection required:

**Face protection****Safety boots****Safety overalls**

Face shield, gauntlets, boots, bodysuit are recommended.

- **Respiration protection:**

Not required under normal conditions of use.

For industrial applications, following protection required:

**Respiratory equipment**

Use positive pressure breathing mask if concentrations in air could exceed occupational exposure standard.

- **Thermal hazards:**

Not required under normal conditions of use.

For industrial applications, following protection required:

The gauntlets, boots, bodysuit and other personal protective equipment must be flame retardant and no heat-conducting.

- **Environmental exposure controls:**

Control measures must be made in accordance with Community environmental protection legislation.

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

• Physical state	Liquid
• Color	Colorful
• Odor & Odor threshold	Characteristic odor
• Melting point/freezing point (or softening point/range)	Not determined
• Boiling point or initial boiling point and boiling range	100°C (water)
• Flammability	Not flammable liquid
• Lower and upper explosion limit	Not determined
• Flash point	>93°C
• Auto-ignition temperature	Not determined
• Decomposition temperature	Not applicable
• pH	4-8 (20°C)
• Kinematic viscosity (mm²/s)	Not determined
• Solubility	Soluble in water
• Partition coefficient n-octanol/water (log value)	Not applicable
• Vapor pressure	Not determined
• Density and/or relative density	Not determined
• Relative vapor density	Not determined
• Particle characteristics	Not applicable

- **9.2 Other information**

- **9.2.1 Information with regard to physical hazard classes:**

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· Explosives	Not applicable
· Flammable gases	Not applicable
· Aerosols	Not applicable
· Oxidising gases	Not applicable
· Gases under pressure	Not applicable
· Flammable liquids	Not applicable
· Flammable solids	Not applicable
· Self-reactive substances and mixtures	Not applicable
· Pyrophoric liquids	Not applicable
· Pyrophoric solids	Not applicable
· Self-heating substances and mixtures	Not applicable
· Substances and mixtures, which emit flammable gases in contact with water	Not applicable
· Oxidizing liquids	Not applicable
· Oxidizing solids	Not applicable
· Organic peroxides	Not applicable
· Corrosive to metals	Not applicable
· Desensitised explosives	Not applicable
· 9.2.2 Other safety characteristics	
· Mechanical sensitivity	Not applicable
· Self-accelerating polymerisation temperature	Not applicable
· Formation of explosible dust/air mixtures	Not applicable
· Acid/alkaline reserve	Not applicable
· Evaporation rate	Not determined
· Miscibility	Not determined
· Conductivity	Not applicable
· Corrosiveness	Not applicable
· Gas group	Not applicable
· Redox potential	Not applicable
· Radical formation potential	Not applicable
· Photocatalytic properties	Not applicable
· Other physical and chemical parameters	Not determined

SECTION 10: Stability and reactivity

· 10.1 Reactivity:

The product is non-reactive under normal conditions of use, storage and transport.

· 10.2 Chemical stability:

Under storage at normal ambient temperatures, the product is stable.

· 10.3 Possibility of hazardous reactions:

No known hazardous reaction.

· 10.4 Conditions to avoid:

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Trade Name: Air freshener*High temperature.***• 10.5 Incompatible materials:***Strong oxidizing agent and acids.***• 10.6 Hazardous decomposition products:***Does not decompose when used for intended uses.***SECTION 11: Toxicological information****• 11.1 Information on toxicological effects****• Acute toxicity:***Based on available data, the classification criteria are not met.***• LD50/LC50 values relevant for classification:**

143-07-7 Lauric acid

Rat	LD50-oral	12000mg/kg
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705-86-2 Decan-5-olide

Rat	LD50-oral	>4300mg /kg
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91-64-5 Coumarin

Rat	LD50-oral	293mg/kg
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Mouse	LD50-oral	196mg/kg
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*Remark: All the above data are from literature.***• Skin corrosion/irritation:***Based on available data, the classification criteria are not met.***• Serious eyes damage/ irritation:***Based on available data, the classification criteria are not met.***• Respiratory or skin sensitization:***Based on available data, the classification criteria are not met.***• Germ cell mutagenicity:***Based on available data, the classification criteria are not met.***• Carcinogenicity:***Based on available data, the classification criteria are not met.***• Reproductive toxicity:***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.***• 11.2 Information on other hazards**

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Trade Name: Air freshener**11.2.1 Endocrine disrupting properties:**

None of the ingredients ($\geq 0.1\%$) is considered to have endocrine-disrupting properties with respect to humans, as none of them meet the criteria set out in section A of Regulation (EU) No 2017/2100.

11.2.2 Other information:

No known other relevant information on adverse health effects.

SECTION 12: Ecological information**12.1 Toxicity:****LC50/EC50/NOEC values relevant for classification:**

705-86-2 Decan-5-olide

Short-term toxicity to fish	LC50 (4 days) 28.581 mg/L
Short-term toxicity to aquatic invertebrates	EC50 (24 h) 75.23 mg/L
Toxicity to aquatic algae and cyanobacteria	NOEC (72 h) 9.023 mg/L
Toxicity to microorganisms	IC50 (48 h) 153.458 mg/L

128-37-0 BHT

Short-term toxicity to fish	LC50 (4 days) 199 $\mu\text{g/L}$
Long-term toxicity to fish	NOEC (42 days) 53 $\mu\text{g/L}$
Short-term toxicity to aquatic invertebrates	EC50 (48 h) 480 $\mu\text{g/L}$
Long-term toxicity to aquatic invertebrates	NOEC (21 days) 69 $\mu\text{g/L}$
Toxicity to aquatic algae and cyanobacteria	NOEC (72 h) 240 $\mu\text{g/L}$

12.2 Persistence and degradability:

705-86-2	Decan-5-olide	Readily biodegradable in water
128-37-0	BHT	Not inherently biodegradable in water

12.3 Bio-accumulative potential:

705-86-2	Decan-5-olide	Log Pow = 188
128-37-0	BHT	Log Pow = 4.17 - 5.1

12.4 Mobility in soil:

705-86-2	Decan-5-olide	Henry's law constant (H) = 56.9
128-37-0	BHT	Log Koc = 4.36

12.5 Results of PBT and vPvB assessment:

This mixture does not contain any substances ($\geq 0.1\%$) that are assessed to be a PBT or a vPvB.

12.6 Endocrine disrupting properties:

None of the ingredients ($\geq 0.1\%$) is considered to have endocrine-disrupting properties with respect to non-target organisms, as none of them meet the criteria set out in section B of Regulation (EU) No 2017/2100.

12.7 Other adverse effects:

No known other adverse effects.

12.8 Additional ecological information**General notes:**

WGK1 (German Regulation) (self-assessment): Low hazard to waters.

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Do not allow large quantities of the product to reach ground water, water course or sewage system.

SECTION 13: Disposal consideration

- **13.1 Waste treatment methods**

- **Recommendation:**

Must not be disposed together with household garbage.

- **13.2 Un-cleaned packaging**

- **Recommendation:**

Dispose of contents/container in according to the local/regional/national/ international regulation.

SECTION 14: Transport information

- **ADR/ADN/RID (2023 Edition)**

This product is not subject to ADR/ADN/RID.

- **IATA-DGR (64th)**

This product is not subject to IATA-DGR.

- **IMO/IMDG (40-20)**

This product is not subject to IMO/IMDG code.

SECTION 15: Regulatory information

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

- **MAK (German Maximum Workplace Concentration):** None of the ingredients is listed.

128-37-0

BHT

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- **Directive 2012/18/EU**

- **Named dangerous substances-ANNEX I:**

None of the ingredients is listed.

- **Seveso category:**

Not applicable

- **Qualifying quantity (tonnes) for the application of lower-tier requirements:**

Not applicable

- **Qualifying quantity (tonnes) for the application of upper-tier requirements:**

Not applicable

- **National regulations.**

- **Water hazard class:**

WGK1 (German Regulation) (self-assessment): Low hazard to waters.

- **Other regulations, limitations and prohibitive regulations**

- **SVHC Candidate list of REACH Regulation Annex XIV Authorization:**

None of the ingredients is listed.

- **REACH Regulation Annex XVII Restriction:**

None of the ingredients is listed.

- **REACH Regulation Annex XIV Authorization List:**

None of the ingredients is listed.

- **15.2 Chemical safety assessment:**

A Chemical Safe Assessment has not been carried out.

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SECTION 16: Other information

• 16.1 Indication of changes:

None.

16.2 Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road).

IMDG: International Maritime Code for Dangerous Goods.

IATA: International Air Transport Association.

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

PBT: Persistent, Bio accumulative and Toxic

vPvB: very persistent and very bio accumulative

SVHC: Substance of Very High Concern

LD50: Lethal dose, 50 percent

LC50: Lethal concentration, 50 percent

EC50: Concentration of maximal effect, 50 percent

NOEC: No observed effect concentration

Acute Tox. 4: Acute toxicity, hazard category 4

Skin Sens. 1: Skin sensitization, hazard category 1

Eye Irrit. 2: Eye damage/irritation, hazard category 2

STOT SE 3: Specific target organ toxicity after single exposure, hazard category 3

Aquatic Acute 1: Short-term (acute) aquatic hazard, hazard category 1

Aquatic Chronic 1: Long-term (chronic) aquatic hazard, hazard category 1

Aquatic Chronic 2: Long-term (chronic) aquatic hazard, hazard category 2

Aquatic Chronic 3: Long-term (chronic) aquatic hazard, hazard category 3

• 16.3 Key literature references and sources for data:

<https://echa.europa.eu/>

<https://chem.nlm.nih.gov/>

<https://www.osha.gov/>

<http://www.unece.org/>

<http://www.imo.org/>

<https://www.dguv.de/>

<https://epa.govt.nz/>

<http://www.ilo.org/>

<https://www.phmsa.dot.gov/>

• 16.4 Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]:

See section 2.1 (classification).

• 16.5 Relevant H- and EUH-phrases (number and full text):

H301 Toxic if swallowed

H302 Harmful if swallowed

H317 May cause an allergic skin reaction

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Trade Name: Air freshener*H318 Causes serious eye damage**H335 May cause respiratory irritation**H400 Very toxic to aquatic life**H410 Very toxic to aquatic life with long lasting effects**H411 Toxic to aquatic life with long lasting effects**H412 Harmful to aquatic life with long lasting effects***• 16.6 Training advice:**

Workers must be trained in general and specific aspects of safe work procedures for this chemical. Workers need easy to understand guidelines and instructions for safe working with this chemical. Instructions, guidelines and legally required documents need to be available for workers in easy to understand language.

• 16.7 Further information:

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, its amendment Regulation (EU) No 2020/878 and (EC) No 1272/2008.

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End of safety data sheet