

MATERIAL SAFETY DATA SHEET

According to Regulation (EU) No 453/2010

SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name : VECTAIR AIROMA FLORAL SILK AERO-08
Product code : 1252135

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

Application : SU22 Professional use. For industrial or institutional use. PC3 Airfreshener.

1.3. Details of the supplier of the safety data sheet

Supplier : Vectair System Ltd
Unit 3, Trident Centre, Armstrong Road
Basingstoke, Hampshire RG24 8NU, Great Britain
Telephone : +44-1256-319500
Fax : +44-1256-319510
E-mail : msds@vectairsystems.com
Website : <http://www.vectairsystems.com>

1.4. Emergency telephone number

EMERGENCY TELEPHONE NUMBER, for DOCTORS/FIRE BRIGADE/POLICE only:
GB - Telephone : +44-1256-319500 (During office hours only)

EMERGENCY TELEPHONE NUMBER (for DOCTORS only):
(24/7)

SECTION 2 HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (99/45/EC) : Extremely flammable. Dangerous for the environment.
CLP classification (1272/2008/EC) : Aerosols, category 1. Eye irritation, category 2. Specific target organ toxicity after single exposure, category 3. Hazardous to the aquatic environment — Chronic category 3.
Human health hazards : Causes serious eye irritation. May cause drowsiness or dizziness. May produce an allergic reaction. Exposure to high vapour concentrations may result in a narcotic effect. Use only as directed. Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal.
Physical/chemical hazards : Extremely flammable. Keep away from sources of ignition — No smoking. Do not spray on a naked flame or any incandescent material. Do not spray near fire, sources of heat or live electrical equipment. Aerosol may explode from internal pressure build-up when exposed to temperatures exceeding 50 °C.
Environmental hazards : Harmful to aquatic life with long lasting effects.
Other information : Keep out of the reach of children. Caution: Do not breathe spray. Use only in well-ventilated areas. Spray in short intervals for a short period only. Ventilate well after use. Harmful to house pets.

2.2. Label elements

Label elements (99/45/EC):
Hazard symbols :



F+: Extremely flammable

R- and S-phrases : R12 Extremely flammable.

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R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S2 Keep out of the reach of children.
S16 Keep away from sources of ignition — No smoking.
S23 Aerosol Do not breathe spray.
S51 Use only in well-ventilated areas.

Additional labelling : Important: Pressurized container; protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material.

Label elements (1272/2008/EC):

Hazard pictograms :



Signal word : Danger

H- and P-phrases : H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long lasting effects.
EUH208 Contains ... May produce an allergic reaction. Reference is made to additional labelling for full text of EUH208*.
P251 Do not pierce or burn, even after use.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
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.
P280 eyes Wear eye protection/face protection.
P337+P313 If eye irritation persists: Get medical advice/attention.
P312 Call a POISON CENTER/doctor if you feel unwell.
P403 Store in a well-ventilated place.
P273 Avoid release to the environment.
P501 Dispose of contents/container to an official chemical waste depot.

Additional labelling (99/45/EC and/or 1272/2008/EC)

- : * Contains (Z)-3-hexenyl salicylate . May produce an allergic reaction.
- : Where the mixture is labelled in accordance with Regulation (EC) No 1272/2008 (CLP) the packaging shall (also) carry the text: Contains: Propan-2-ol .
- : 3 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity.

2.3. Other hazards

Other information : The classification of this product is based on the non-aerosolised form of the mixture (on basis of section 1.1.3.7. of Regulation (EC) No 1272/2008). Does not contain PBT or vPvB substances in concentrations higher than 0,1%.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

3.2. Mixtures

Product description : Mixture.

Information on hazardous substances:

Substance name	Concentration (w/w) (%)	CAS nr.	EC number	Symbols	R-phrases
(Z)-3-hexenyl salicylate	0,1 - < 1	65405-77-8	265-745-8	Xi; N	43-50/53

Product name : Vectair Airoma Floral Silk AERO-08

Date of issue : 31-10-2014

Replaces issue dated

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Propan-2-ol	5 - < 10	67-63-0	200-661-7	F; Xi	11-36-67
Ethanol	10 - < 20	64-17-5	200-578-6	F	11
Undecan-4-olide	< 0,1	104-67-6	203-225-4	N	51/53
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one	< 0,1	14901-07-6	238-969-9	N	51/53
Geranyl acetate	< 0,1	105-87-3	203-341-5	N	51/53
3,7-Dimethyloctan-3-ol	0,1 - < 1	78-69-3	201-133-9	Xi; N	38-51/53
Benzyl acetate	0,1 - < 1	140-11-4	205-399-7	----	----
Naphtha (petroleum), hydrotreated heavy	0,1 - < 1	64742-48-9	265-150-3	Xn	65-66
2,6-Dimethyloct-7-en-2-ol	0,1 - < 1	18479-58-8	242-362-4	Xi	38
Butane	0,1 - < 1	106-97-8	203-448-7	F+	12
Propyleneglycol	5 - < 10	57-55-6	200-338-0	----	----
Propane	10 - < 20	74-98-6	200-827-9	F+	12
Isobutane	25 - 50	75-28-5	200-857-2	F+	12

Reference is made to chapter 16 for full text of each relevant R phrase. Occupational exposure limit(s), if relevant, are listed in section 8.

Substance name	REACH nr.	Hazard Class	Pictograms	H-phrases
(Z)-3-hexenyl salicylate	01-2119987320-37	Skin Sens. 1; Aquatic Chronic 2	GHS07; GHS09	H317; H410
Propan-2-ol	01-2119457558-25	Flam. Liq. 2; Eye Irrit. 2; STOT SE 3	GHS02; GHS07	H225; H319; H336
Ethanol	01-2119457610-43	Flam. Liq. 2; Eye Irrit. 2	GHS02; GHS07	H225; H319
Undecan-4-olide	01-2119959333-34	Aquatic Chronic 2	GHS09	H411
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one	01-2119937833-30	Aquatic Chronic 2	GHS09	H411
3,7-Dimethyloctan-3-ol	01-2119454788-21	Eye Irrit. 2; Skin Irrit. 2	GHS07	H315; H319
Benzyl acetate	01-2119638272-42	Aquatic Chronic 3	----	H412
Naphtha (petroleum), hydrotreated heavy		Asp. Tox. 1	GHS08	H304; EUH066
2,6-Dimethyloct-7-en-2-ol	01-2119457274-37	Skin Irrit. 2; Eye Irrit. 2	GHS07	H315; H319
Butane	01-2119474691-32	Flam. Gas 1; Press. Gas	GHS02; GHS04	H220; H280
Propyleneglycol	01-2119456809-23	----	----	----
Propane	01-2119486944-21	Flam. Gas 1; Press. Gas	GHS02; GHS04	H220; H280
Isobutane	01-2119485395-27	Flam. Gas 1; Press. Gas	GHS02; GHS04	H220; H280

Reference is made to chapter 16 for full text of each relevant H phrase.

SECTION 4 FIRST-AID MEASURES

4.1. Description of first aid measures

First aid measures

- Inhalation : Not applicable under normal conditions of use. Consult a doctor if victim feels unwell.
- Skin contact : Take off contaminated clothing. Wash off skin with plenty of water and soap before product dries up. Consult a doctor if irritation occurs.
- Eye contact : Wash out with (lukewarm) water for at least 15 minutes. Remove contact lenses. Consult a doctor.
- Ingestion : Aerosol/mist: Ingestion is unlikely to occur.

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

Effects and symptoms

- Inhalation : No specific effects and/or symptoms are known.
- Skin contact : May produce an allergic reaction. May cause dry skin and redness.
- Eye contact : Irritant. May cause redness and pain.
- Ingestion : Aerosol/mist: Ingestion is unlikely to occur.

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

Note to physicians : None known.

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SECTION 5 FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

- Suitable : Carbondioxide (CO2). Alcohol resistant foam. Dry chemical. Water fog.
Not suitable : Water jet.

5.2. Special hazards arising from the substance or mixture

- Special exposure hazards : Aerosol may explode from internal pressure build-up when exposed to temperatures exceeding 50 °C. Do not expose emergency personnel to overheated aerosol containers. Water may be used to cool container and prevent explosion of the aerosol.
Hazardous thermal decomposition products : Carbon monoxide may be evolved if incomplete combustion occurs.

5.3. Advice for firefighters

- Special protective equipment for fire-fighters : Fight a fire where aerosols are involved from a protected position. Use adequate respiratory equipment in case of insufficient ventilation.

SECTION 6 ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

- Personal precautions : Danger of slipping. Clean up spills immediately. Wear shoes with non-slip soles. Avoid contact with spilled or released material. Do not breathe vapours and/or spray. Keep away from sources of ignition — No smoking. Build up of highly flammable gasses involves an explosion risk. Vapours are heavier than air. Build up (of gasses) in low areas involves risk of suffocation.

6.2. Environmental precautions

- Environmental precautions : Avoid release of product into sewers, surface water and/or ground water. Waste product should not be allowed to contaminate soil or water.
Other information : Notify authorities if any exposure to the general public or the environment occurs or is likely to occur.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Collect spilled material in containers. Collect cans in an approved container. Do not pierce aerosols. Wash away remainder with plenty of water and soap.

6.4. Reference to other sections

- Reference to other sections : See also section 8.

SECTION 7 HANDLING AND STORAGE

7.1. Precautions for safe handling

- Handling : Handle in accordance with good occupational hygiene and safety practices in well-ventilated areas. Important: Pressurized container; protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not breathe spray. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

- Storage : Keep frost-free, in a cool (< 35°), dry and well-ventilated place. Protect from sunlight and keep away from heat.
Recommended packaging : Not applicable.

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7.3. Specific end use(s)

Use : Use only as directed.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits : Occupational exposure limits have not been established for this product. Derived no-effect levels (DNEL) have not been established for this product. Predicted no-effect concentrations (PNEC) have not been established for this product.

Workplace exposure limits (mg/m³):

Chemical name	Country	TWA 8 hour (mg/m ³)	STEL 15 min (mg/m ³)	Comments
Propan-2-ol	GB	999	1250	-
Ethanol	GB	1920	-	-
Ethanol		260	1900	Mac: NL.
Benzyl acetate		5	-	-
Naphtha (petroleum), hydrotreated heavy	EC	116	-	Recommendation in CLH-document - 2010
Naphtha (petroleum), hydrotreated heavy		1200	-	CEFIC HSPA
Butane	GB	1450	1810	-
Butane		1450	1810	-
Propyleneglycol	GB	474	-	Total Vapour and Particulates
Propyleneglycol		474	-	MAC UK: Total Vapour and Particulates
Propane		1800	-	-
Isobutane		1900	2400	-

Derived no-effect level (DNEL) for workers:

Chemical name	Route of exposure	DNEL, short-term		DNEL, long-term	
		Local effect	Systemic effect	Local effect	Systemic effect
(Z)-3-hexenyl salicylate	Dermal				0,9 mg/kg bw/day
	Inhalation				1,59 mg/m ³
Propan-2-ol	Dermal				888 mg/kg bw/day
	Inhalation				500 mg/m ³
Ethanol	Dermal				343 mg/kg bw/day
	Inhalation	1900 mg/m ³			950 mg/m ³
Undecan-4-olide	Dermal				5,38 mg/kg bw/day
	Inhalation				19 mg/m ³
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one	Dermal				2,1913 mg/kg bw/day
	Inhalation				2,498 mg/m ³
3,7-Dimethyloctan-3-ol	Dermal				2,5 mg/kg bw/day
	Inhalation				2,75 mg/m ³
Benzyl acetate	Dermal		12,5 mg/kg bw		6,25 mg/kg bw/day
	Inhalation		43,8 mg/m ³		21,9 mg/m ³
2,6-Dimethyloct-7-en-2-ol	Dermal				20,8 mg/kg bw/day
	Inhalation				73,5 mg/m ³
Propyleneglycol	Inhalation			10 mg/m ³	168 mg/m ³

Derived no-effect level (DNEL) for consumers:

Chemical name	Route of exposure	DNEL, short-term		DNEL, long-term	
		Local effect	Systemic effect	Local effect	Systemic effect
(Z)-3-hexenyl salicylate	Dermal				0,45 mg/kg bw/day
	Inhalation				0,39 mg/m ³
	Oral				0,23 mg/kg bw/day

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Propan-2-ol	Dermal			319 mg/kg bw/day
	Inhalation			89 mg/m ³
	Oral			26 mg/kg bw/day
Ethanol	Dermal			206 mg/kg bw/day
	Inhalation	950 mg/m ³		114 mg/m ³
	Oral			87 mg/kg bw/day
Undecan-4-olide	Dermal			2,7 mg/kg bw/day
	Inhalation			4,68 mg/m ³
	Oral			2,7 mg/kg bw/day
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one	Dermal			0,5403 mg/kg bw/day
	Inhalation			0,6214 mg/m ³
	Oral			4,3825 mg/kg bw/day
3,7-Dimethyloctan-3-ol	Dermal			1,25 mg/kg bw/day
	Inhalation			0,68 mg/m ³
	Oral			0,2 mg/kg bw/day
Benzyl acetate	Dermal	6,25 mg/kg bw		3,125 mg/kg bw/day
	Inhalation	11 mg/m ³		5,5 mg/m ³
	Oral	6,25 mg/kg bw		3,125 mg/kg bw/day
2,6-Dimethyloct-7-en-2-ol	Dermal			12,5 mg/kg bw/day
	Inhalation			21,7 mg/m ³
	Oral			12,5 mg/kg bw/day
Propyleneglycol	Inhalation		10 mg/m ³	50 mg/m ³

Predicted no-effect concentration (PNEC):

Chemical name	Route of exposure	Fresh water	Marine water	
(Z)-3-hexenyl salicylate	Water	0,00061 mg/l	0,000061 mg/l	
	Sediment	0,11 mg/kg	0,011 mg/kg	
	Intermittent water			0,0061 mg/l
	STP			10 mg/l
	Soil			0,0217 mg/kg
	Oral			40 mg/kg food
Propan-2-ol	Water	140,9 mg/l	140,9 mg/l	
	Sediment	552 mg/kg	552 mg/kg	
	Intermittent water			140,9 mg/l
	STP			2251 mg/l
	Soil			28 mg/kg
	Oral			160 mg/kg food
Ethanol	Water	0,96 mg/l	0,79 mg/l	
	Sediment	3,6 mg/kg	2,9 mg/kg	
	Intermittent water			2,75 mg/l
	STP			580 mg/l
	Soil			0,63 mg/kg
	Oral			0,72 mg/kg food
Undecan-4-olide	Water	0,0058 mg/l	0,00058 mg/l	
	Sediment	0,628 mg/kg	0,063 mg/kg	
	Intermittent water			0,058 mg/l
	STP			80 mg/l
	Soil			0,122 mg/kg
	Oral			66,7 mg/kg food
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one	Water	0,00146 mg/l	0,000146 mg/l	
	Sediment	22,45 mg/kg	22,45 mg/kg	
	Intermittent water			0,0146 mg/l
	STP			0,0428 mg/l
	Soil			10,47 mg/kg
	Oral			
Geranyl acetate	Water	0,00372 mg/l	0,000372 mg/l	
	Sediment	0,442 mg/kg	0,442 mg/kg	

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3,7-Dimethyloctan-3-ol	Intermittent water			0,0372 mg/l
	STP			8 mg/l
	Soil			0,0859 mg/kg
	Water	0,0089 mg/l	0,00089 mg/l	
	Sediment	0,0821 mg/kg	0,00821 mg/kg	
	Intermittent water			0,089 mg/l
Benzyl acetate	STP			450 mg/l
	Soil			0,0112 mg/kg
	Water	0,004 mg/l	0,0004 mg/l	
	Sediment	0,114 mg/kg	0,0114 mg/kg	
	Intermittent water			0,04 mg/l
	STP			8,55 mg/l
2,6-Dimethyloct-7-en-2-ol	Soil			0,0205 mg/kg
	Water	0,0278 mg/l	0,0027 mg/l	
	Sediment	0,594 mg/kg	0,0594 mg/kg	
Propyleneglycol	Intermittent water			0,278 mg/l
	STP			10 mg/l
	Soil			0,103 mg/kg
	Oral			111 mg/kg food
	Water	260 mg/l	26 mg/l	
	Sediment	572 mg/kg	57,2 mg/kg	
	Intermittent water			183 mg/l
	STP			20000 mg/l
	Soil			50 mg/kg
	Oral			1133 mg/kg food

8.2. Exposure controls

Engineering measures : Comply with standard precautionary measures for working with chemicals.

Hygienic measures : When using do not eat, drink or smoke.

Personal protective equipment:

The efficiency of personal protective equipment depends among other things on temperature and degree of ventilation. Always get professional advice for the particular local situation.

Body protection : Use of specific protective industrial clothing is not required under normal conditions of use. In case of large scale exposure wear suitable protective clothing, overalls or suit, and similar boots. Suitable material: nitril. Indication of permeation breakthrough time: 4 hours.

Respiratory protection : Take care of sufficient ventilation. Wear suitable respiratory protection in case of large scale exposure. Suitable: gas filter type A (brown), class I or higher on e.g. a facemask in accordance with EN 140.

Hand protection : Under normal conditions of use specific gloves are not required. Wear appropriate gloves in case of frequent or prolonged use and in case of large scale exposure. Suitable material: nitril. ± 0,5 mm Indication of permeation breakthrough time: 4 hours.

Eye protection : Wear appropriate safety glasses with side shields, in accordance with EN 166, when there is danger of possible eye contact.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance : Aerosol.

Colour : Colourless.

Odour : Perfumed.

Odour threshold : Not known.

pH : Not applicable. Almost waterfree product.

Solubility in water : Soluble.

Partition coefficient : Not known.

(n-octanol/water)

Flash point : Not applicable. Not measurable.

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Flammability (solid, gas)	: Extremely flammable.	
Auto ignition temperature	: Not applicable.	Aerosol container explodes before reaching the auto-ignition point.
Boiling point/boiling range	: Not known.	Not measurable.
Melting point/melting range	: < 0 °C	
Explosive properties	:	Pressurised container: May burst if heated.
Explosion limits (in air)	: Not known.	Lower explosion limit in air (%): 1,7 (Propane)
	:	Upper explosion limit in air (%): 19 Ethanol
Oxidising properties	: Not applicable.	Does not contain oxidizing substances.
Decomposition temperature	: Not applicable.	
Viscosity (20°C)	: Not known.	
Viscosity (40°C)	: Not known.	
Vapour pressure (20°C)	: 360000 Pa	
Vapour density (20°C)	: > 1	(air = 1)
Relative density (20°C)	: 0,617 g/ml	
Evaporation rate	: Not known.	(n-butyl acetate = 1)

SECTION 10 STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity : See sub-sections below.

10.2. Chemical stability

Stability : Stable under normal conditions.

10.3. Possibility of hazardous reactions

Reactivity : No other hazardous reactions known.

10.4. Conditions to avoid

Conditions to avoid : Keep away from sources of ignition and sources of heat. See section 7.

10.5. Incompatible materials

Materials to avoid : Not applicable.

10.6. Hazardous decomposition products

Hazardous decomposition products : Not known.

SECTION 11 TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

No toxicological research has been carried out on this product.

Inhalation

Acute toxicity	: Calculated LC50: > 10 mg/l. Ingredients of unknown toxicity: 3 %. ATE: > 5 mg/l. Low toxicity. Not classified - based on available data, the classification criteria are not met. May cause damage to organs. Target organ(s): Central nervous system. Effect(s): Breathing of high vapour concentrations may cause central nervous system (CNS) depression resulting in dizziness, lightheadedness, headache, nausea and loss of coordination. Continued inhalation may result in unconsciousness and death.
Corrosion/irritation	: May cause irritation to respiratory airways and coughing. Not classified - based on available data, the classification criteria are not met.
Sensitisation	: Not classified - based on available data, the classification criteria are not met.
Carcinogenicity	: Not classified - based on available data, the classification criteria are not met.
Mutagenicity	: Does not contain mutagenic substances. Not classified - based on available data, the classification criteria are not met.

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Skin contact

- Acute toxicity : Calculated LD50: > 5000 mg/kg.bw. Ingredients of unknown toxicity: < 1 %. ATE: > 2000 mg/kg.bw. Low toxicity. Not classified - based on available data, the classification criteria are not met.
- Corrosion/irritation : Slight irritation possible. Not classified - based on available data, the classification criteria are not met.
- Sensitisation : May produce an allergic reaction.
- Mutagenicity : Does not contain mutagenic substances. Not classified - based on available data, the classification criteria are not met.

Eye contact

- Corrosion/irritation : Irritant.

Ingestion

- Acute toxicity : Aerosol/mist: Ingestion is unlikely to occur. Calculated LD50: > 875 mg/kg.bw. Ingredients of unknown toxicity: < 1 %. ATE: > 2000 mg/kg.bw. Low toxicity. Not classified - based on available data, the classification criteria are not met. May cause hampered eyesight.
- Corrosion/irritation : Aerosol/mist: Ingestion is unlikely to occur. May cause a feeling of sickness, vomiting and diarrhoea. Not classified - based on available data, the classification criteria are not met.
- Carcinogenicity : Aerosol/mist: Ingestion is unlikely to occur. Not classified - based on available data, the classification criteria are not met.
- Mutagenicity : Aerosol/mist: Ingestion is unlikely to occur. Does not contain mutagenic substances. Not classified - based on available data, the classification criteria are not met.

Toxicological information:

Chemical name	Property		Method	Test animal	
(Z)-3-hexenyl salicylate	Genotoxicity - estimate	Not genotoxic	Read across		
	Skin sensitisation	Not sensitizing	OECD 406	Guinea pig	
	LD50 (dermal)	> 5000 mg/kg bw		Rabbit	
	Skin irritation	Moderately irritant	-----	Rabbit	
	NOAEL (oral)	200 mg/kg bw/d	OECD 422	Rat	
	LD50 (oral)	5000 mg/kg bw		Rat	
	Propan-2-ol	NOAEL (oral)	870 mg/kg bw/d	-----	Rat
		LD50 (oral)	4396 mg/kg bw	-----	Rat
		LD50 (dermal)	12800 mg/kg bw	-----	Rat
		LC50 (inhalation)	46600 mg/m3	-----	Rat
		Skin irritation	Slightly irritant	OECD 404	Rabbit
		Eye irritation	Irritant	OECD 405	Rabbit
		NOAEL (fertility, oral)	407 mg/kg bw/d		Rat
		NOAEL (development, oral)	400 mg/kg bw/d		Rat
NOEL (carcinogenicity, oral)		Not carcinogenic	OECD 416	Rat	
Skin sensitisation		Not sensitizing	OECD 406	Guinea pig	
Mutagenicity		Negative	OECD 471		
NOAEL (inhalation)		12500 mg/m3	OECD 451	Rat	
Genotoxicity - in vivo		Not genotoxic	OECD 474	Mouse	
NOEL (carcinogenicity, inh.)		12500 mg/m3		Mouse	
Ethanol	Genotoxicity - in vitro	Not genotoxic	OECD 476		
	Skin irritation	Non-irritant	-----	Rabbit	
	LD50 (dermal)	15800 mg/kg bw	-----	Rabbit	
	NOAEL (inhalation)	23000 mg/m3		Rat	
	NOAEL (oral)	2400 mg/kg bw/d		Rat	
	NOAEL (fertility, oral)	20000 mg/kg bw/d	OECD 415	Rat	
	Skin sensitisation	Not sensitizing	OECD 406	Guinea pig	
	NOAEL (development, oral)	6400 mg/kg bw/d			
	LD50 (oral)	10470 mg/kg bw	OECD 401	Rat	
	LC50 (inhalation)	> 99999 mg/m3	OECD 403	Rat	

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Eye irritation NOEL (carcinogenicity, oral)	Irritant > 4400 mg/kg bw/d	OECD 405	Rabbit Mouse
Genotoxicity - in vivo NOEL (carcinogenicity, inh.)	Not genotoxic 13 mg/m ³	OECD 478	Mouse
Genotoxicity - in vitro Mutagenicity	Not genotoxic Negative	OECD 476 OECD 471	Salmonella typhimurium

SECTION 12 ECOLOGICAL INFORMATION

12.1. Toxicity

No ecotoxicological research has been carried out on this product.

Ecotoxicity : Harmful to aquatic life with long lasting effects. Calculated LC50 (fish): 255 mg/l. Calculated EC50 (waterflea): 412 mg/l. Contains < 1 % of components with unknown hazards to the aquatic environment.

12.2. Persistence and degradability

Persistence – degradability : May cause long-term adverse effects in the aquatic environment.

12.3. Bioaccumulative potential

Bioaccumulative potential : No specific information known.

12.4. Mobility in soil

Mobility : Not applicable.

12.5. Results of PBT and vPvB ass

PBT/vPvB assessment : Does not contain PBT or vPvB substances in concentrations higher than 0,1%.

12.6. Other adverse effects

Other information : Not applicable.

Ecological information:

Chemical name	Property		Method	Test animal
(Z)-3-hexenyl salicylate	LC50 (fish) - estimate	1,13 mg/l		Brachydanio rerio
	EC50 (waterflea)	3,7 mg/l	OECD 202	Daphnia magna
	Ultimate aerobic biodegradation (%)	89 %	OECD 301 F	
	IC50 (alga)	0,61 mg/l	OECD 201	Desmodesmus subspicatus
	Log P(ow)	4,57		
3,7-Dimethyloctan-3-ol	IC50 (alga)	21,6 mg/l	DIN 38412 Part 33	Scenedesmus subspicatus
	LC50 (fish)	8,9 mg/l	OECD 203	Brachydanio rerio
	NOEC (fish)	5 mg/l	OECD 203	Brachydanio rerio
	NOEC (waterflea) - acute	8,2 mg/l	OECD 202	Daphnia magna
	EC50 (waterflea)	14,2 mg/l	OECD 202	Daphnia magna
	Ultimate aerobic biodegradation (%)	61 %	OECD 301 F	
	Log P(ow)	3,3		
	BCF	152		

SECTION 13 DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product name : Vectair Airoma Floral Silk AERO-08

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Replaces issue dated

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According to Regulation (EU) No 453/2010

- Product residues : Recyclable metal container. Do not puncture or burn even after use. Do not dispose empty pack with waste produced by households. Containers may be recycled. Treat product residues and non-empty pack as hazardous waste.
- Additional warning : Residues may cause an explosion hazard. Do not puncture, cut or weld uncleaned drums.
- European waste catalogue : Dispose hazardous waste in accordance with Directive 91/689/EEC under acknowledgement of a waste code according to Commission Decision 2000/532/EC to an official chemical waste depot.
- Local legislation : Disposal should be in accordance with applicable regional, national, and local laws and regulations. Local regulations may be more stringent than regional or national requirements and must be complied with.

SECTION 14 TRANSPORT INFORMATION

14.1. UN number

UN nr. : UN 1950

14.2. UN proper shipping name

Transport name : AEROSOLS

14.3/14.4/14.5. Transport hazard class(es)/Packing group/Environmental hazards

ADR/RID (road / railway)

Class : 2
Classification code : 5F
Packaging group : -
Danger label : 2,1



IMDG (sea)

Class : 2
Packaging group : -
EmS (fire / spill) : F - D / S - U
Marine pollutant : No

IATA (air)

Class : 2

14.6. Special precautions for user

Other information : Country specific variations may apply. It is possible that a "Limited Quantity" exemption applies to the transport of this product.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Marpol : Not intended to be carried in bulk according to International Maritime Organisation (IMO) instruments. Packaged liquids are not considered bulk.

SECTION 15 REGULATORY INFORMATION

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

Community regulations : Regulation (EC) No 453/2010 (REACH), Regulation (EC) No 1272/2008 (CLP), 75/324/EEC (aerosols) and other regulations.

MATERIAL SAFETY DATA SHEET

According to Regulation (EU) No 453/2010

In the UK it is recommended that all aerosols should be labelled on the back with the warning about the dangers of volatile solvent abuse. The label should contain the badge 'Solvent Abuse Can Kill Instantly' accompanied by the phrase 'Use only as directed'.

15.2. Chemical safety assessment

Chemical safety assessment : Not applicable.

SECTION 16 OTHER INFORMATION

16.1. Other information

The information in this safety data sheet is compiled in compliance with Regulation (EC) No 453/2010 dated 20 May 2010 and accurate to the best of our knowledge and experience at the date of issue specified. It is the user's obligation to use this product safely and to comply with all applicable laws and regulations concerning the use of the product. This safety data sheet complements the technical information sheets but does not replace them and offers no warranty with regard to product properties.

Users are also forewarned for any hazards involved when the product is used for other purposes than those for which it is designed.

Changed or new information with regard to the previous release is indicated with an asterisk (*).

Full text of R-phrases mentioned in section 3:

R11	Highly flammable.
R12	Extremely flammable.
R36	Irritating to eyes.
R38	Irritating to skin.
R43	May cause sensitisation by skin contact.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

Full text of H-phrases mentioned in section 3:

H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H280	Contains gas under pressure; may explode if heated.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

List of abbreviations and acronyms that could be (but not necessarily are) used in this safety data sheet:

ADR	: European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	: Acute Toxicity Estimate
CLP	: Classification, Labeling & Packaging
CMR	: Carcinogenic, Mutagenic or toxic for Reproduction
EEC	: European Economic Community
IATA	: International Air Transport Association
IBC code	: International Bulk Chemical Code
IMDG	: International Maritime Dangerous Goods Code
LD50/LC50	: Lethal Dose/Concentration for 50% of a population
MAC	: Maximum Allowable Concentration
MARPOL	: International Convention for the Prevention of Pollution From Ships
NO(A)EL	: No Observed (Adverse) Effect Level
OECD	: Organisation for Economic Co-operation and Development

MATERIAL SAFETY DATA SHEET

According to Regulation (EU) No 453/2010

PBT : Persistent, Bioaccumulative and Toxic
PC : Chemical product category
PT : Product type
REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals
RID : Regulations concerning the International Carriage of Dangerous Goods by Rail
STP : Sewage Treatment Plant
SU : Sector of Use
TWA/STEL : Time-Weighted Average/Short Term Exposure Limit
UN : United Nations
VOC : Volatile Organic Compounds
vPvB : Very Persistent and Very Bioaccumulative

Number format : "," used as decimal separator.

History

Date of first issue : 31-10-2014