

SAFETY DATA SHEET

(in accordance with Regulation (EU) No 453/2010)

-205511- KATRIN EASE AIR FRESHENER APPLE



Version:
Revision date: 12/01/2016

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SECTION 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY/UNDERTAKING.

1.1 Product identifier.

Product Name: KATRIN EASE AIR FRESHENER APPLE Int. Article No. 6414305954625
Product Code: 205511

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

Liquid Air Freshener self-vaporization, designed for use also in proprietary automated dispensers.

Uses advised against:

Uses other than those recommended.

1.3 Details of the supplier of the safety data sheet.

Company: **METSÄ TISSUE**
Address: P.O.BOX 25 FI-02020
City: METSÄ
Province: FINLAND
Telephone: +358104616
Fax: +358104654199
E-mail: georg.maxein@metsagroup.com
Web: www.metsagroup.com

1.4 Emergency telephone number: NHS Direct-084544647 (Available 24 hours)

SECTION 2: HAZARDS IDENTIFICATION.

2.1 Classification of the mixture.

In accordance with Regulation (EU) No 1272/2008:

- Aquatic Chronic 3 : Harmful to aquatic life with long lasting effects.
- Eye Irrit. 2 : Causes serious eye irritation.
- Skin Sens. 1 : May cause an allergic skin reaction.
- STOT SE 3 : May cause drowsiness or dizziness.

2.2 Label elements.

Labelling in accordance with Regulation (EU) No 1272/2008:

Pictograms:



Signal Word:

Warning

H statements:

- | | |
|------|--|
| H226 | Flammable liquid and vapour. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H336 | May cause drowsiness or dizziness. |
| H412 | Harmful to aquatic life with long lasting effects. |

P statements:

- | | |
|------|--|
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P273 | Avoid release to the environment. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P501 | Dispose of contents/container to ... |

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P302+P352 IF ON SKIN: Wash with plenty of water/...
P337+P313 If eye irritation persists: Get medical advice/attention.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

EUH statements:

EUH208 Contains citral. May produce an allergic reaction.
EUH208 Contains Geranyl acetate. May produce an allergic reaction.
EUH208 Contains Nerol. May produce an allergic reaction.
EUH208 Contains Dimethylcyclohex-3-ene-1-carboxaldehyde. May produce an allergic reaction.
EUH208 Contains 3R-(3 α ,3 β ,7 β ,8 $\alpha\alpha$)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one. May produce an allergic reaction.
EUH208 Contains l-Carvone. May produce an allergic reaction.

Contains:

1-methoxy-2-propanol,monopropylene glycol methyl ether
 α -hexylcinnamaldehyde
citronellol
Geraniol
p-tert-Butyl-alpha-methylhydrocinnamic aldehyde (BMHCA, Lilial, Lysmeral)

2.3 Other hazards.

In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS.

3.1 Substances.

Not Applicable.

3.2 Mixtures.

Substances posing a danger to health or the environment in accordance with the Regulation (EC) No. 1272/2008, assigned a Community exposure limit in the workplace, and classified as PBT/vPvB or included in the Candidate List:

Identifiers	Name	Concentrate	(*)Classification - Regulation (EC) No 1272/2008	
			Classification	specific concentration limit
CAS No: 56539-66-3 EC No: 260-252-4	3-Methoxy-3-methylbutan-1-ol	10 - 50 %	Eye Irrit. 2, H319	-
Index No: 603-064-00-3 CAS No: 107-98-2 EC No: 203-539-1 Registration No: 01-2119457435-35-XXXX	[1] 1-methoxy-2-propanol,monopropylene glycol methyl ether	20 - 50 %	Flam. Liq. 3, H226 - STOT SE 3, H336	-
CAS No: 101-86-0 EC No: 202-983-3	α -hexylcinnamaldehyde	1 - 25 %	Aquatic Chronic 2, H411 - Skin Sens. 1, H317	-
CAS No: 106-22-9 EC No: 203-375-0 Registration No: 01-2119453995-23-XXXX	citronellol	1 - 10 %	Eye Irrit. 2, H319 - Skin Irrit. 2, H315 - Skin Sens. 1, H317	-
CAS No: 106-24-1 EC No: 203-377-1 Registration No: 01-2119552430-49-XXXX	Geraniol	1 - 3 %	Eye Dam. 1, H318 - Skin Irrit. 2, H315 - Skin Sens. 1, H317	-

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CAS No: 80-54-6 EC No: 201-289-8 Registration No: 01-2119485965-18-XXXX	p-tert-Butyl-alpha-methylhydrocinnamic aldehyde (BMHCA, Lilial, Lysmeral)	1 - 3 %	Acute Tox. 4, H302 - Aquatic Chronic 2, H411 - Repr. 2, H361 - Skin Irrit. 2, H315 - Skin Sens. 1, H317	-
CAS No: 78-70-6 EC No: 201-134-4 Registration No: 01-2119474016-42-XXXX	Linalool	1 - 10 %	Eye Irrit. 2, H319 - Skin Irrit. 2, H315	-
CAS No: 8000-41-7 EC No: 232-268-1 Registration No: 01-2119553062-49-XXXX	Terpineol	1 - 10 %	Eye Irrit. 2, H319 - Skin Irrit. 2, H315	-
Index No: 605-019-00-3 CAS No: 5392-40-5 EC No: 226-394-6 Registration No: 01-2119462829-23-XXXX	citral	0 - 1 %	Skin Irrit. 2, H315 - Skin Sens. 1, H317	-
CAS No: 105-87-3 EC No: 203-341-5	Geranyl acetate	0 - 1 %	Aquatic Chronic 3, H412 - Skin Irrit. 2, H315 - Skin Sens. 1, H317	-
CAS No: 106-25-2 EC No: 203-378-7	Nerol	0 - 1 %	Eye Irrit. 2, H319 - Skin Irrit. 2, H315 - Skin Sens. 1, H317	-
CAS No: 123-68-2 EC No: 204-642-4	Allyl hexanoate (Allyl caproate)	0.1 - 10 %	Acute Tox. 3, H311 - Acute Tox. 3, H301 - Aquatic Chronic 2, H411 - Eye Irrit. 2, H319 - Skin Irrit. 2, H315	-
CAS No: 27939-60-2 EC No: 248-742-6	Dimethylcyclohex-3-ene-1-carboxaldehyde	0 - 1 %	Aquatic Chronic 3, H412 - Eye Irrit. 2, H319 - Skin Irrit. 2, H315 - Skin Sens. 1, H317	-
CAS No: 32388-55-9 EC No: 251-020-3	3R-(3 α ,3 β ,7 β ,8 α)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one	0.1 - 1 %	Aquatic Acute 1, H400 - Aquatic Chronic 1, H410 - Skin Sens. 1, H317	-
CAS No: 6485-40-1 EC No: 229-352-5	l-Carvone	0 - 1 %	Acute Tox. 4, H302 - Skin Sens. 1, H317	-

(*) The complete text of the H phrases is given in section 16 of this Safety Data Sheet.

[1] Substance with a Community workplace exposure limit (see section 8.1).

SECTION 4: FIRST AID MEASURES.

4.1 Description of first aid measures.

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In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

Inhalation.

If wearing contact lenses, remove them. If breathing is irregular or stops, perform artificial respiration. Do not administer anything orally. If unconscious, place them in a suitable position and seek medical assistance.

Eye contact.

If wearing contact lenses, remove them. Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance.

Skin contact.

Remove contaminated clothing. Wash skin vigorously with water and soap or a suitable skin cleaner. **NEVER** use solvents or thinners.

Ingestion.

If accidentally ingested, seek immediate medical attention. Keep calm. **NEVER** induce vomiting.

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

Irritant Product, repeated or prolonged contact with skin or mucous membranes can cause redness, blisters or dermatitis, inhalation of spray mist or particles in suspension may cause irritation of the respiratory tract, some symptoms may not be immediate. Can cause allergic reactions.

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

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

SECTION 5: FIREFIGHTING MEASURES.

Flammable product, the necessary prevention measures should be taken in order to avoid risks, In case of fire, the following measures are recommended:

5.1 Extinguishing media.

Recommended extinguishing methods.

Extinguisher powder or CO₂. In case of more serious fires, also alcohol-resistant foam and water spray. Do not use a direct stream of water to extinguish.

5.2 Special hazards arising from the mixture.

Special risks.

Fire can cause thick, black smoke. As a result of thermal decomposition, dangerous products can form: carbon monoxide, carbon dioxide. Exposure to combustion or decomposition products can be harmful to your health.

5.3 Advice for firefighters.

Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account. Prevent the products used to fight the fire from going into drains, sewers, or waterways.

Fire protection equipment.

According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and gloves.

SECTION 6: ACCIDENTAL RELEASE MEASURES.

6.1 Personal precautions, protective equipment and emergency procedures.

Eliminate possible ignition points and ventilate the area. Avoid breathing fumes. For exposure control and individual protection measures, see section 8.

6.2 Environmental precautions.

Prevent the contamination of drains, surface or subterranean waters, and the ground.

6.3 Methods and material for containment and cleaning up.

Pick up the spill with non-combustible absorbent materials (soil, sand, vermiculite, diatomite, etc.). Pour the product and the absorbent in an appropriate container. The contaminated area should be immediately cleaned with an appropriate de-

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contaminator. Pour the decontaminator on the remains in an opened container and let it act various days until no further reaction is produced.

6.4 Reference to other sections.

For exposure control and individual protection measures, see section 8.

For later elimination of waste, follow the recommendations under section 13.

SECTION 7: HANDLING AND STORAGE.

7.1 Precautions for safe handling.

The fumes are heavier than air and can spread across the ground. They can form explosive mixtures with air. Prevent the creation of flammable or explosive fume concentrations in the air; prevent fume concentrations above work exposure limits. The product must only be used in areas where all unprotected flames and other ignition points have been eliminated. Electrical equipment has to be protected according to applicable standards.

The product can be electrostatically charged: always use earth grounds when transferring the product. Operators must use anti-static footwear and clothing, and floors must be conductors.

Keep the container tightly closed and isolated from heat sources, sparks, and fire. Do not use tools that can cause sparks. For personal protection, see section 8. Never use pressure to empty the containers. They are not pressure-resistant containers.

In the application area, smoking, eating, and drinking must be prohibited.

Follow legislation on occupational health and safety.

Keep the product in containers made of a material identical to the original.

7.2 Conditions for safe storage, including any incompatibilities.

Store according to local legislation. Observe indications on the label. Store the containers between 5 and 35° C, in a dry and well-ventilated place, far from sources of heat and direct solar light. Keep far away from ignition points. Keep away from oxidising agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorized persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

The product is not affected by Directive 2012/18/EU (SEVESO III).

Code	Description	Qualifying quantity (tonnes) for the application of	
		Lower-tier requirements	Upper-tier requirements
E2	ENVIRONMENTAL HAZARDS - Hazardous to the Aquatic Environment in Category Chronic 2	200	500

7.3 Specific end use(s).

N.A./N.A.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

8.1 Control parameters.

Work exposure limit for:

Name	CAS No.	Country	Limit value	ppm	mg/m ³
1-methoxy-2-propanol,monopropylene glycol methyl ether	107-98-2	European Union [1]	Eight hours	100 (skin)	375 (skin)
			Short term	150 (skin)	568 (skin)
		United Kingdom [2]	Eight hours	100	375
			Short term	150	560

[1] According both Binding Occupational Exposure Limits (BOELVs) and Indicative Occupational Exposure Limits (IOELVs) adopted by Scientific Committee for Occupational Exposure Limits to Chemical Agents (SCOEL).

[2] According Limit Value (IOELV) list in 2nd Indicative Occupational Exposure adopted by Health and Safety Executive.

The product does NOT contain substances with Biological Limit Values.

Concentration levels DNEL/DMEL:

Name	DNEL/DMEL	Type	Value
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1-methoxy-2-propanol,monopropylene glycol methyl ether N. CAS: 107-98-2 N. CE: 203-539-1	DNEL (Workers)	Inhalation, Long-term, Systemic effects	369 (mg/m ³)
citronellol N. CAS: 106-22-9 N. CE: 203-375-0	DNEL (Workers)	Inhalation, Long-term, Systemic effects	161,6 (mg/m ³)
Geraniol N. CAS: 106-24-1 N. CE: 203-377-1	DNEL (Workers)	Inhalation, Long-term, Systemic effects	161,6 (mg/m ³)
p-tert-Butyl-alpha-methylhydrocinnamic aldehyde (BMHCA, Lilial, Lysmeral) N. CAS: 80-54-6 N. CE: 201-289-8	DNEL (Workers)	Inhalation, Long-term, Systemic effects	0,44 (mg/m ³)
Terpineol N. CAS: 8000-41-7 N. CE: 232-268-1	DNEL (Workers)	Inhalation, Long-term, Systemic effects	5,8 (mg/m ³)
citral N. CAS: 5392-40-5 N. CE: 226-394-6	DNEL (Workers)	Inhalation, Long-term, Systemic effects	9 (mg/m ³)

DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.

DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.

8.2 Exposure controls.

Measures of a technical nature:

Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system.

Concentration:	100 %	
Uses:	Liquid Air Freshener self-vaporization, designed for use also in proprietary automated dispensers.	
Breathing protection:		
If the recommended technical measures are observed, no individual protection equipment is necessary.		
Hand protection:		
If the product is handled correctly, no individual protection equipment is necessary.		
Eye protection:		
If the product is handled correctly, no individual protection equipment is necessary.		
Skin protection:		
PPE:	Anti-static protective clothing.	
Characteristics:	«CE» marking, category II. Protective clothing should not be too tight or loose in order not to obstruct the user's movements.	
CEN standards:	EN 340, EN 1149-1, EN 1149-2, EN 1149-3, EN 1149-5	
Maintenance:	In order to guarantee uniform protection, follow the washing and maintenance instructions provided by the manufacturer.	
Observations:	The protective clothing should offer a level of comfort in line with the level of protection provided in terms of the hazard against which it protects, bearing in mind environmental conditions, the user's level of activity and the expected time of use.	
PPE:	Anti-static safety footwear.	
Characteristics:	«CE» marking, category II.	
CEN standards:	EN ISO 13287, EN ISO 20344, EN ISO 20346	
Maintenance:	The footwear should be checked regularly	
Observations:	The level of comfort during use and acceptability are factors that are assessed very differently depending on the user. Therefore, it is advisable to try on different footwear models and, if possible, different widths.	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

9.1 Information on basic physical and chemical properties.

Appearance: Liquid with characteristic odour

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Colour: According to product specification.
Odour: Apple
Odour threshold: N.A./N.A.
pH: N.A./N.A.
Melting point: N.A./N.A.
Boiling Point: 70-150 °C
Flash point: 49 °C
Evaporation rate: N.A./N.A.
Inflammability (solid, gas): N.A./N.A.
Lower Explosive Limit: N.A./N.A.
Upper Explosive Limit: N.A./N.A.
Vapour pressure: N.A./N.A.
Vapour density: N.A./N.A.
Relative density: N.A./N.A.
Solubility: N.A./N.A.
Liposolubility: N.A./N.A.
Hydrosolubility: N.A./N.A.
Partition coefficient (n-octanol/water): N.A./N.A.
Auto-ignition temperature: N.A./N.A.
Decomposition temperature: N.A./N.A.
Viscosity: N.A./N.A.
Explosive properties: N.A./N.A.
Oxidizing properties: N.A./N.A.
N.A./N.A. = Not Available/Not Applicable due to the nature of the product

9.2. Other information.

SECTION 10: STABILITY AND REACTIVITY.

10.1 Reactivity.

The product does not present hazards by their reactivity.

10.2 Chemical stability.

Stable under the recommended handling and storage conditions (see section 7).

10.3 Possibility of hazardous reactions.

The product does not present possibility of hazardous reactions.

10.4 Conditions to avoid.

Avoid any improper handling.

10.5 Incompatible materials.

Keep away from oxidising agents and from highly alkaline or acidic materials in order to prevent exothermic reactions.

10.6 Hazardous decomposition products.

No decomposition if used for the intended uses.

SECTION 11: TOXICOLOGICAL INFORMATION.

IRRITANT PREPARATION. Splatters in the eyes can cause irritation.

11.1 Information on toxicological effects.

There are no tested data available on the product.

Repeated or prolonged contact with the product can cause the elimination of oil from the skin, giving rise to non-allergic contact dermatitis and absorption of the product through the skin.

Splatters in the eyes can cause irritation and reversible damage.

a) acute toxicity;

Not conclusive data for classification.

Acute Toxicity Estimate (ATE):

Mixtures:

ATE (Dermal) = 133333 mg/kg

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ATE (Oral) = 20202 mg/kg

b) skin corrosion/irritation;
Based on available data, the classification criteria are not met.

c) serious eye damage/irritation;
Product classified:
Eye irritation, Category 2: Causes serious eye irritation.

d) respiratory or skin sensitisation;
Product classified:
Skin sensitizer, Category 1: May cause an allergic skin reaction.

e) germ cell mutagenicity;
Not conclusive data for classification.

f) carcinogenicity;
Not conclusive data for classification.

g) reproductive toxicity;
Based on available data, the classification criteria are not met.

h) STOT-single exposure;
Product classified:
Specific target organ toxicity following a single exposure, Category 3:

i) STOT-repeated exposure;
Not conclusive data for classification.

j) aspiration hazard;
Not conclusive data for classification.

SECTION 12: ECOLOGICAL INFORMATION.

12.1 Toxicity.

No information is available regarding the ecotoxicity of the substances present.

12.2 Persistence and degradability.

No information is available about persistence and degradability of the product.

12.3 Bioaccumulative potential.

Information about the bioaccumulation of the substances present.

Name	Bioaccumulation			
	Log Pow	BCF	NOECs	Level
1-methoxy-2-propanol, monpropylene glycol methyl ether N. CAS: 107-98-2 EC No: 203-539-1	-0,44	-	-	Very low
citronellol N. CAS: 106-22-9 EC No: 203-375-0	4,04	-	-	High
Geraniol N. CAS: 106-24-1 EC No: 203-377-1	3,56	-	-	Moderate
Linalool N. CAS: 78-70-6 EC No: 201-134-4	2,97	-	-	Low

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12.4 Mobility in soil.

No information is available about the mobility in soil.
The product must not be allowed to go into sewers or waterways.
Prevent penetration into the ground.

12.5 Results of PBT and vPvB assessment.

No information is available about the results of PBT and vPvB assessment of the product.

12.6 Other adverse effects.

No information is available about other adverse effects for the environment.

SECTION 13 DISPOSAL CONSIDERATIONS.

13.1 Waste treatment methods.

Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation.
Follow the provisions of Directive 2008/98/EC regarding waste management.

SECTION 14: TRANSPORT INFORMATION.

Transportation is not dangerous. In case of road accident causing the product's spillage, proceed in accordance with point 6.

14.1 UN number.

Transportation is not dangerous.

14.2 UN proper shipping name.

Transportation is not dangerous.

14.3 Transport hazard class(es).

Transportation is not dangerous.

14.4 Packing group.

Transportation is not dangerous.

14.5 Environmental hazards.

Transportation is not dangerous.

14.6 Special precautions for user.

Transportation is not dangerous.

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

Transportation is not dangerous.

SECTION 15: REGULATORY INFORMATION.

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

The product is not affected by the Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

See annex I of the Directive 96/82/EC of 9 December 1996 on the control of major-accident hazards involving dangerous substances.

The product is not affected by Directive 2012/18/EU (SEVESO III).

The product is not affected by Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products.

The product is not affected by the procedure established Regulation (EU) No 649/2012, concerning the export and import of dangerous chemicals.

15.2 Chemical safety assessment.

There has been no evaluation a chemical safety assessment of the product.

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SECTION 16: OTHER INFORMATION.

Complete text of the H phrases that appear in section 3:

H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H361	Suspected of damaging fertility or the unborn child.
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.

Classification codes:

Acute Tox. 3 [Dermal] : Acute toxicity (Dermal), Category 3
Acute Tox. 3 [Oral] : Acute toxicity (Oral), Category 3
Acute Tox. 4 [Oral] : Acute toxicity (Oral), Category 4
Aquatic Acute 1 : Acute toxicity to the aquatic environment, Category 1
Aquatic Chronic 1 : Chronic effect to the aquatic environment, Category 1
Aquatic Chronic 2 : Chronic effect to the aquatic environment, Category 2
Aquatic Chronic 3 : Chronic effect to the aquatic environment, Category 3
Eye Dam. 1 : Serious eye damage, Category 1
Eye Irrit. 2 : Eye irritation, Category 2
Flam. Liq. 3 : Flammable liquid, Category 3
Repr. 2 : Reproductive toxicant, Category 2
Skin Irrit. 2 : Skin irritant, Category 2
Skin Sens. 1 : Skin sensitiser, Category 1
STOT SE 3 : Specific target organ toxicity following a single exposure, Category 3

It is advisable to carry out basic training with regard to health and safety at work in order to handle this product correctly.

Labelling in accordance with Directive 1999/45/EC:

Symbols:



R Phrases:

R10	Flammable.
R36	Irritating to eyes.
R43	May cause sensitisation by skin contact.
R67	Vapours may cause drowsiness and dizziness.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S Phrases:

S24	Avoid contact with skin.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37	Wear suitable gloves.
S51	Use only in well-ventilated areas.

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S57 Use appropriate container to avoid environmental contamination.
S60 This material and its container must be disposed of as hazardous waste.
S61 Avoid release to the environment. Refer to special instructions/safety data sheets.

Contains:
α-hexylcinnamaldehyde
citronellol
Geraniol
p-tert-Butyl-alpha-methylhydrocinnamic aldehyde (BMHCA, Lilial, Lysmeral)

Abbreviations and acronyms used:

BCF: Bioconcentration factor.
CEN: European Committee for Standardization.
DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.
DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.
EC50: Half maximal effective concentration.
PPE: Personal protection equipment.
LC50: Lethal concentration, 50%.
LD50: Lethal dose, 50%.
Log Pow: Logarithm of the partition octanol-water.
NOEC: No observed effect concentration.

Key literature references and sources for data:

<http://eur-lex.europa.eu/homepage.html>

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

Regulation (EU) No 453/2010.

Regulation (EC) No 1907/2006.

Regulation (EU) No 1272/2008.

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

The information in this Safety Data Sheet on the Preparation is based on current knowledge and on current EC and national laws, as far as the working conditions of the users is beyond our knowledge and control. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties.