

Safety Data Sheet
in accordance with Regulation (EC)
no. 1907/2006

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Zolleks Avto d.o.o.

ZOLLEX AROMA GEL

Date of issue: 03.04.2013
Version: 1

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade name ZOLLEX AROMA GEL
Substance/preparation preparation

1.2 Relevant identified uses of the substance/preparation and inadvisable uses

Identified uses: airfreshener

1.3 Details of the supplier of the safety data sheet

Supplier:

Zolleks Avto d.o.o.
Kidričeva cesta 97
4220 Škofja Loka

telephone: +386 4 502 07 10
telephone: +386 4 502 07 19

E-mail address of the person responsible for drawing up the safety data sheet:

info@kemikalije.si

1.4 Emergency telephone number

Emergency call-Slovenia: 112

2. HAZARD IDENTIFICATION

2.1 Classification of the substance/preparation

Classification in accordance with the Directive 67/548/EEC or 1999/45/EC

Xi; R43 May cause sensitization by skin contact.
N; R51/53 Toxic to aquatic organisms: may cause long-term adverse effects in the aquatic environment.

2.2 Label elements

Classification based on the Directive 1999/45/EC:



IRRITANT



DANGEROUS TO THE ENVIRONMENT

Wording of Risk Phrases:

R43 May cause sensitization by skin contact.

R51/53 Toxic to aquatic organisms: may cause long-term adverse effects in the aquatic environment.

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Contains: hexylcinnamic aldehyde, butylphenyl methyl propanal, citronellol, benzyl salicylate, coumarin, geraniol, dimethyl cyclohexene carboxaldehyde, eugenol, limonene

Safety phrases:

S2 Keep out of the reach of children.

S24 Avoid contact with skin.

S29 Do not empty into drains.

S37 Wear suitable gloves.

2.3. Other risks

None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Substances

Chemical Name	CAS ES Index	REACH reg.no.	Content in %	Classification (Dir.67/548)	Classification (the 1272/2008 Regulation)
HEXYLCINNAMIC ALDEHYDE	CAS: 101-86-0 ES: 202-983-3 Index: -	-	≥1%-5%	Xi; R43	Skin Sens 1; H317
METHYL IONONE (mixture of isomers)	CAS: 1335-46-2 ES: 215-635-0 Index:-	-	≥1%-5%	N; R51/53	Aquatic Chronic 2; H411
p-tert-BUTYL CYCLOHEXYL ACETATE	CAS: 32210-23-4 ES: 250-954-9 Index:-	-	≥1%-5%	N; R51/53	Aquatic Chronic 2; H411
HHCB	CAS: 1222-05-5 ES: 214-946-9 Index: 603-212-00-7	-	≥1%-5%	N; R50/53	Aquatic Acute 1; H400 Aquatic Chronic 1; H410
BUTYLPHENYL METHYL PROPANAL	CAS: 80-54-6 ES: 201-289-8 Index: -	-	≥1%-5%	Xi; R43	Skin Sens 1; H317
VERDYL PROPIONATE	CAS: 17511-60-3 ES: 241-514-7 Index: -	-	≥1%-5%	N; R51/53	Aquatic Chronic 2; H411
CITRONELLOL	CAS: 106-22-9 ES: 203-375-0 Index:-	-	≥1%-5%	Xi; R38, R43 N; R51/53	Skin Irrit. 2; H315 Skin Sens. 1; H317 Aquatic Chronic 2; H411
BENZYL SALICYLATE	CAS: 118-58-1 ES: 204-262-9 Index:-	-	≥1%-5%	Xi; R43 N; R51/53	Skin Sens. 1; H317 Aquatic Chronic 2; H411
TONALID	CAS: 21145-77-7 ES: 244-240-6 Index:-	-	≥1%-5%	Xn; R22 N; R50/53	Acute Tox. 4; H302 Aquatic Acute 1; H400 Aquatic

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					Chronic 1; H410
LINALOOL	CAS: 78-70-6 ES: 201-134-4 Index: -	-	≥1%-5%	Xi; R38	Skin Irrit. 2; H315
COUMARIN	CAS: 91-64-5 ES: 202-086-7 Index: -	-	≥0,1%-1%	Xn; R22 R43	Acute Tox. 4; H302 Skin Sens. 1; H317
GERANIOL	CAS: 106-24-1 ES: 203-377-1 Index:-	-	≥0,1%-1%	Xi; R38 R43	Skin Irrit. 2; H315 Skin Sens. 1; H317
DIMETHYL CYCLOHEXENE CARBOXALDEHYDE	CAS: 27939-60-2 ES: 248-742-6 Index: -	-	≥0,1%-1%	Xi; R43, R36/38 R52/53	Skin Sens. 1; H317 Eye Irrit. 2; H319 Skin Irrit. 2; H315 Aquatic Chronic 3; H412
2-tert- BUTYLCYCLOHEXYL ACETATE	CAS: 88-41-5 ES: 201-828-7 Index: -	-	≥0,1%-1%	N; R51/53	Aquatic Chronic 2; H411
EUGENOL	CAS: 97-53-0 ES: 202-589-1 Index: -	-	≥0,1%-1%	Xi; R36, R43	Eye Irrit. 2; H319 Skin Sens. 1; H317
AMYL SALICYLATE	CAS: 87-20-7 ES: 204-730-4 Index: -	-	≥0,1%-1%	N; R51/53	Aquatic Chronic 2; H411
OCTAHYDRO TETRAMETHYL ACETONAPHTONE	CAS: 54464-57-2 ES: 259-174-3 Index: -	-	≥0,1%-1%	N; R51/53	Aquatic Chronic 2; H411
BACDANOL	CAS: 28219-61-6 ES: 248-908-8 Index: -	-	≥0,1%-1%	Xi; R38 N; R50/53	Skin Irrit. 2; H315 Aquatic. Acute. 1; H400 Aquatic Chronic 1; H410
(R)-p-menta-1,8-dien	CAS: 5989-27-5 ES: 227-813-5 Index: 601-029-00-7	-	≥0,1%-1%	R10 Xi; R38 R43 N; R50-53	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410
CITRONELLYL ACETATE	CAS: 150-84-5 ES: 205-775-0 Index: -	-	≥0,1%-1%	Xi; R38 N; R51/53	Skin Irrit. 2; H315 Aquatic Chronic 2; H411
GAMMA- UNDECALACTONE	CAS: 104-67-6 ES: 203-225-4	-	≥0,1%-1%	N; R51/53	Aquatic Chronic 2;

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	Index: -				H411
DIPHENYL ETHER	CAS: 101-84-8 ES: 202-981-2 Index: -	-	≥0,1%-1%	N; R51/53	Aquatic Chronic 2; H411
beta IONONE	CAS: 14901-07-6 ES: 238-969-9 Index: -	-	≥0,1%-1%	N; R51/53	Aquatic Chronic 2; H411
METHYL beta-NAPHTYL KETONE	CAS: 93-08-3 ES: 202-216-2 Index: -	-	≥0,1%-1%	N; R51/53	Aquatic Chronic 2; H411

*All concentrations are in percent by weight unless the ingredient is a gas. Gas concentrations are in percent by volume.

For the full text of the R-phrases mentioned in this Section, see Section 16.
For the full text of the H-statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

4.1 Description of first-aid measures

Inhalation	In case of irritation, dizziness, nausea or unconsciousness immediately seek medical attention.
Skin contact	Wash the skin immediately with plenty of water and soap, and rinse thoroughly.
Eye contact	Immediately flush eyes thoroughly with plenty of water for at least 15 minutes: if irritation develops, seek medical attention.
Ingestion	Rinse mouth with water thoroughly. Do not induce vomiting. Immediately seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Not available.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media	Carbon dioxide, powder, foam or split water spray.
Unsuitable extinguishing media	Direct water stream.

5.2 Special hazards arising from the substance or mixture

Special hazard	Flammable. Smoke is produced in case of fire: In an incomplete combustion nitrogen oxides are released.
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5.3 Recommendations for fire-fighters

Special protective equipment for fire-fighters	Complete fire fighter equipment.
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6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.

6.2 Environmental precautions

Prevent the substance from leaking into the sewerage system or water courses.
In case of an accidental release notify the Information Centre. Limit product dispersion.
Avoid flames and other sources of ignition.
Prevent the substance from leaking into the sewerage system, ground and surface water.

6.3 Cleaning up methods, materials and retention

Collect the products mechanically.

6.4 Reference to other sections

Handling and storage See Section 7

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice for safe handling Avoid prolonged contact with skin – longer than 5 minutes.

Advice for fire safety No smoking on the premises where the product is handled. Material may become charged with static electricity and ignite.

7.2 Conditions for a safe storage, including any incompatibilities

Technical measures/Storage conditions Keep in closed containers, protected from solar radiation.
Suitable packaging: PET double blister / double layer blister

Incompatible materials Unsuitable materials and coatings: Ethylene propylene-diene monomer (EPDM), natural rubber, polystyrene, butyl rubber

7.3 Specific end uses airfreshener

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limit values for ingredients:

(R)-p-ment-1,8-diene, CAS: 5989-27-5
AGW Germany: limit value: 110 mg/m³, 20 ppm, 2 (II); DFG; Sh, Y

Lists valid at the time of the safety data sheet issue served as a basis.

8.2 Exposure controls

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Personal protective equipment

- General measures** Always follow good hygiene measures, such as washing after handling the material and before eating, drinking and / or smoking. It is necessary to regularly wash work clothing and protective equipment. Dispose of contaminated clothing and footwear that cannot be cleaned.
- Respiratory protection** Generally not necessary in ventilated areas.
- Eye/face protection** No special protection is needed if eye contact is avoided.
- Skin and body protection** Protective gloves on the hands and chemical resistant clothing should be worn if long-term or repeated skin contact is expected.
- Hand protection** Protective chemical resistant gloves should be worn on the hands if long-term or repeated skin contact is expected. Gloves with a sleeve should be worn if contact with upper arms is anticipated. Check and replace worn or damaged gloves.

8.3. Environmental exposure controls

General information See Sections 6,7,12,13

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	gel
Colour	Clean
Odour	characteristic
Flash point (method)	>98°C (208,4°F) [NF-T60-103]
pH	No information available
Terpen content	25% (calculated)
Solubility	No information available

9.2 Other information no information available

10. STABILITY AND REACTIVITY

- 10.1 Reactivity** Product is stable under normal conditions.
- 10.2 Chemical stability** No decomposition at intended use in accordance with the instructions.
- 10.3 Possibility of hazardous reactions** -
- 10.4 Conditions to avoid** Open flames and high energy sources of ignition.
- 10.5 Incompatible materials** Strong oxidising agents
- 10.6 Hazardous decomposition products** Product does not decompose at room temperature. Hazardous polymerisation will not occur.

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11. TOXICOLOGICAL INFORMATION

Toxicological tests on this product have not been implemented. It is recommended to use the product with the usual caution because of unknown effects the product can have on very sensitive persons.

(a) acute toxicity;

ingredient:

(R)-p-ment-1,8-diene, CAS: 5989-27-5

Orally; LD50: 4400 mg/kg (rat)

(b) irritation;

no information available

(c) corrosivity;

no information available

(d) sensitization;

Contact with skin may cause sensitization.

(e) repeat dose toxicity;

no information available

(f) carcinogenicity;

no information available

(g) mutagenicity;

no information available

(h) toxicity for reproduction;

no information available

Additional information:

The product is classified in accordance with generally accepted directive on classification of preparations as: irritant.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Toxic to aquatic organisms: may cause long-term adverse effects in the aquatic environment.

12.2 Persistence and degradability

no information available

12.3 Bioaccumulative potential

no information available

12.4 Mobility in soil

no information available

12.5 Results of PBT and vPvB assessment

no information available

12.6 Other adverse effects

Prevent the substance from leaking into ground water, waters and sewerage systems.
Risk of drinking water contamination with small quantities of the product that have polluted the soil.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product:

Must not be disposed together with household garbage. Product must not enter sewage system. Dispose of the product at an authorised collector and disposer of hazardous waste.

Contaminated packaging: Remove contaminated packaging in the same way as the product.

National regulations relating to waste:

- Decree on waste

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- Decree on the management of packaging and packaging waste

14. TRANSPORT INFORMATION

14.1 UN number: 3082
14.2 UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HHCB)
14.3 Transportation hazard classification: 9 Various hazardous substances and items
14.4 Packaging group: III
14.5 Environmental hazard : yes, symbol (fish and tree)
14.6 Special precautions for user :
 ADR transportation category: 3
 ADR Limit for tunnels: E
 IMDG EMS : F-A, S-F
14.7 Transport in bulk according to Annex II of the MARPOL Convention 73/78 and the IBC Code: no information available

15. REGULATORY INFORMATION

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

European Union

Regulation 1907/2006 (REACH), Directive 67/548/EEC and 1999/45/EC

Regulations in Slovenia

- Chemicals Act
- Rules on the classification, packaging and labelling of dangerous substances
- Rules on the classification, packaging and labelling of dangerous preparations
- Decree on waste
- Decree on the management of packaging and packaging waste
- Rules on the protection of workers from the risks related to exposure to chemical substances at work
- Rules on personal protective equipment used by workers at work

15.2 Chemical safety assessment

Chemical safety assessment has not been made.

16. OTHER INFORMATION

Source of the safety data sheet: manufacturer's safety data sheet dated 30.07.2012

List of relevant R phrases, hazard statements, safety phrases and / or precautionary statements

R10 Flammable.
R22 Harmful if swallowed.
R36 Irritating to eyes.
R36/38 Irritating to eyes and skin.
R38 Irritating to skin
R43 May cause sensitization 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.
R52/53 Harmful to aquatic organisms: may cause long-term adverse effects in the aquatic environment.

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H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

Date of previous issue: -

Abbreviations:

TWA (time-weighted average) : daily exposure limit value (8h)
STEL (short-term exposure limits) : limit value for short-term exposure
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals
MV : occupational exposure limit 8 h

The above information is based on our present knowledge and experience and relate to the product in the state in which it has been delivered. The information is to describe our product regarding safety requirements. Entries do not constitute a guarantee of the product properties in the legal sense. It is the product's user own responsibility to know and take into account the legal provisions in relation to the transport and use of the product.

End of the safety data sheet