

MATERIAL SAFETY DATA SHEET

Regulation (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

AROMA OIL GREEN FOREST(JUNGLE)

DATE OF ISSUE: 29.07.2016

REVISION NO:01

REVISION DATE: 07.10.2021

Form No: N16052907/01

1. PRODUCT AND SUPPLIER DESCRIPTION

1.1 Product Identifier:

Trade Name	: AROMA OIL GREEN FOREST(JUNGLE)
Article Number	: 506201001801
1.2 Usage Area	: Not for personal use. Only for industrial use. This material is for industrial use only in household products, cosmetics, fragrances and fragranced products.
Producer Company	: SİNYAL ELEKTRONİK VE KOZMETİK ÜRÜNLER SAN. PAZ. LTD. ŞTİ.
Address	: Birlik Org. San. Bölgesi Tem yan yolu 1 nolu cad. No: 4/2 Tuzla/İST.
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2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction.
Eye Irrit. 2 H319 Causes serious eye irritation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms

The product is classified and labelled according to the CLP regulation.



GHS07

GHS09

Signal Word

Warning

Hazard-determining components of labelling:

Linalyl acetate
Linalool
Hexyl salicylate
3,7-Dimethyl-1,6-nonadien-3-ol

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Hazard statements

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P262 Do not get in eyes, on skin, or on clothing.
P273 Avoid release to the environment.
P281 Use personal protective equipment as required.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.

2.3 Other hazards

Results of PBT and vPvB assessment:

PBT:

Not applicable.

vPvB:

Not applicable.

3. INFORMATION ON PRODUCT INGREDIENTS

Description: Multi component mixture.

Dangerous Componenets:

CAS: 115-95-7 EINECS: 204-116-4	Linalyl acetate Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317Skin Irrit. 2, H315; Eye Irrit. 2, H319	5-10%
CAS: 78-70-6 EINECS: 201-134-4 Index number: 603-235-00-2	Linalool Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	5-10%
CAS: 6259-76-3 EINECS: 228-408-6	Hexyl salicylate Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1, H317	2,5-5%
CAS: 10339-55-6 EINECS: 233-732-6	3,7-Dimethyl-1,6-nonadien-3-ol Skin Irrit. 2, H315; Eye Irrit. 2, H319	2,5-5%
CAS: 1222-05-5 EINECS: 214-946-9 Index number: 603-212-00-7	1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran Aquatic Acute 1, H400; Aquatic Chronic 1, H410	2,5-5%
CAS: 61931-80-4 EINECS: 263-336-9	3,7-Dimethyl-1,6-nonadien-3-yl acetate Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	1-2,5%
CAS: 101-86-0 EINECS: 202-983-3	alpha-Hexylcinnamaldehyde Aquatic Acute 1, H400; Aquatic Chronic 2, H411; Skin Sens. 1B, H317	1-2,5%
CAS: 63500-71-0 ELINCS: 405-040-6	2-Isobutyl-4-methyltetrahydro-2H-pyran-4-ol Eye Irrit. 2, H319	1-2,5%
CAS: 106-22-9 EINECS: 203-375-0	dl-Citronellol Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	1-2,5%
CAS: 107-75-5 EINECS: 203-518-7	Hydroxy-citronellal Eye Irrit. 2, H319; Skin Sens. 1, H317	1-2,5%
CAS: 54464-57-2 EINECS: 259-174-3	1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Skin Sens. 1B, H317	1-2,5%
CAS: 105-87-3 EINECS: 203-341-5	Geranyl acetate Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Chronic 3, H412	0,1-1%
CAS: 1205-17-0 EINECS: 214-881-6	alpha-methyl-1,3-benzodioxole-5-propionaldehyde Repr. 2, H361; Aquatic Chronic 2, H411; Skin Sens. 1, H317	0,1-1%
CAS: 89958-10-1 EINECS: 289-632-8	Guaiacwood oil Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Skin Sens. 1B, H317	0,1-1%
CAS: 106-24-1 EINECS: 203-377-1	Geraniol Eye Dam. 1, H318; Skin Irrit. 2, H315; Skin Sens. 1B, H317	0,1-1%
CAS: 65405-77-8 EINECS: 265-745-8	cis-3-hexenyl salicylate Aquatic Acute 1, H400; Aquatic Chronic 2, H411	0,1-1%
CAS: 103-95-7 EINECS: 203-161-7	2-Methyl-3-(p-isopropylphenyl)propionaldehyde Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Chronic 3, H412	0,1-1%

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CAS: 58567-11-6 EINECS: 261-332-1	Formaldehyde cyclododecyl ethyl acetal Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Skin Sens. 1B, H317	0,1-1%
CAS: 68039-49-6 EINECS: 268-264-1	2,4-Dimethyl-3-cyclohexen-1-carboxaldehyde Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	0,1-1%
CAS: 91-64-5 EINECS: 202-086-7	Coumarin Acute Tox. 4, H302; Skin Sens. 1B, H317	0,1-1%
CAS: 5392-40-5 EINECS: 226-394-6 Index number: 605-019-00-3	Citral Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	0,1-1%
CAS: 300371-33-9	2,3-Dihydro-1,1-dimethyl-1H-indene-ar-propanal Aquatic Chronic 2, H411; Acute Tox. 4, H302; Skin Sens. 1B, H317	0,1-1%

Additional information: For the wording of the listed risk phrases refer to section 16.

4. FIRST AID MEASURES

4.1 Description of first aid measures:

After inhalation: Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably in side position for transportation.
After skin contact: Immediately wash with water and soap and rinse thoroughly.
After eye contact: Rinse opened eye for several minutes under running water.
After swallowing: If symptoms persist consult doctor.

4.2 Most important symptoms and effects, both acute and delayed: No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed: No further relevant information available.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing agents: CO₂, foam, dry chemical. Never use a direct water jet on burning material.

5.2 Special hazards arising from the substance or mixture: No further relevant information available.

5.3 Advice for firefighters:

Protective equipment: Wear self-contained respiratory protective device. Do not inhale explosion gases or combustion gases.

Additional information: Cool endangered receptacles with water spray.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures: Ensure adequate ventilation. Particular danger of slipping on leaked/spilled product. Keep away from ignition sources. Wear protective clothing.

6.2 Environmental precautions: Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation. Clean the affected area carefully; suitable cleaners are: Warm water and cleansing agent. Organic solvent.

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.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling: Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.

Information about fire - and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Store receptacle in a well ventilated area. Protect from humidity and water. Protect from exposure to the light. Store in a cool place.

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7.3 Specific end use(s): No further relevant information available.

8. EXPOSURE / PERSONEL PROTECTION

Additional information about design of technical

facilities: No further data; see item 7.

8.1 Control parameters

Ingredients with limit values that require

monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

D N E L s

101-86-0 alpha-Hexylcinnamaldehyde

Dermal DNEL Chronic Local 0,525 mg/cm2 (workers)

DNEL Chronic Systemic 18,2 mg/kg-bw/day (workers)

DNEL Acute Local 0,525 mg/cm2 (workers)

Inhalative DNEL Acute Local 6,28 mg/m3 (workers)

DNEL Chronic Systemic 0,078 mg/m3 (workers)

P N E C s

101-86-0 alpha-Hexylcinnamaldehyde

PNEC aqua fw 0,03 mg/l (-)

PNEC aqua m 0,003 mg/l (-)

PNEC STP 10 mg/l (-)

PNEC sediment fw 4,7 mg/kg dwt (-)

PNEC sediment m 4,77 mg/kg dwt (-)

PNEC soil 9,51 mg/kg dwt (-)

PNEC sec. poisoning 6,6 mg/kg (-)

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work. Avoid contact with the skin. Avoid contact with the eyes and skin. Do not eat or drink while working.

Respiratory protection: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Goggles recommended during refilling.

Body protection: Protective work clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

General Information

Appearance:

Form:

Clear, Liquid

Colour:

Colorless to very pale yellow

Odour:

Green

Flash point:

>100°C

Self-igniting:

Product is not selfigniting.

Danger of explosion:

Product does not present an explosion hazard.

Density at 25 °C:

0,964-0,974 g/cm³

Refractive Index at 25 °C:

1.4560-1.4630

Solubility in / Miscibility with

Water:

Fully miscible.

Alcohols:

Fully miscible.

9.2 Other information: No further relevant information available.

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10. STABILITY AND CAPABILITY OF REACTIVITY

10.1 Reactivity: No further relevant information available.

10.2 Chemical stability: Stable in standard conditions.

Thermal decomposition / conditions to be avoided: No decomposition if used and stored according to specifications.

10.3 Possibility of hazardous reactions: It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidizing agents.

10.4 Conditions to avoid: Direct heat sources.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: Carbon Monoxide and Unidentified organic compounds may be formed during combustion.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

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

LD/LC50 values relevant for classification :

6259-76-3 Hexyl salicylate

Oral LD50 >5000 mg/kg (rat)

Dermal LD50 >5000 mg/kg (rabbit)

1222-05-5 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran

Oral LD50 >4640 mg/kg (rat)

Dermal LD50 >6500 mg/kg (rat)

101-86-0 alpha-Hexylcinnamaldehyde

Oral LD50 3100 mg/kg (rat)

Dermal LD50 >3000 mg/kg (rabbit)

65405-77-8 cis-3-hexenyl salicylate

Oral ATE 2500 mg/kg (rat)

Primary irritant effect:

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation Causes serious eye irritation.

Respiratory or skin sensitisation May cause an allergic skin reaction.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

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.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Aquatic toxicity :

1222-05-5 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran

EC50 48h 0.9 mg/l (daphnia)

ErC50 72h >0.854 mg/l (alg)

EbC50 72h >0.723 mg/l (alg)

LC50 21d 0.452 mg/l (fish)

NOEC 21 d 0.111 mg/l (daphnia)

101-86-0 alpha-Hexylcinnamaldehyde

LC50 96h 1.7 mg/l (fish)

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

Ecotoxicological effects:

Remark: Toxic for fish

Additional ecological information:

General notes: Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

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

Danger to drinking water if even small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

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13. INFORMATION REGARDING THE DISPOSAL**13.1 Waste treatment methods:****Recommendation:** Must not be disposed together with household garbage. Do not allow product to reach sewage system.**Uncleaned packaging:****Recommendation:** Disposal must be made according to official regulations.**Recommended cleansing agents:** Water, if necessary together with cleansing agents.**14. TRANSPORTATION INFORMATION****14.1 UN-Number**

ADR, IMDG, IATA

UN3082

14.2 UN proper shipping name

ADR

3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hexyl salicylate, 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran)

IMDG

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hexyl salicylate, 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran), MARINE POLLUTANT

IATA

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hexyl salicylate, 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran)

14.3 Transport hazard class(es)
ADR, IMDG, IATAClass
Label9 Miscellaneous dangerous substances and articles.
9**14.4 Packing group**

ADR, IMDG, IATA

III

14.5 Environmental hazards

Marine pollutant

Product contains environmentally hazardous substances: Hexyl salicylate, (R)-p-mentha-1,8-diene

Special marking (ADR)

Symbol (fish and tree)

Special marking (IATA)

Symbol (fish and tree)

14.6 Special precautions for user

Warning: Miscellaneous dangerous substances and articles.

Danger code (Kemler)

90

EMS Number:

F-A,S-F

Stowage Category:

A

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

Transport/Additional information:

ADR

Limited quantities (LQ)

5L

Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

Transport category

3

Tunnel restriction code

-

IMDG

Limited quantities (LQ)

5L

Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

UN "Model Regulation":

UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HEXYL SALICYLATE, 1,3,4,6,7,8-HEXAHYDRO-4,6,6,7,8,8-HEXAMETHYLINDENO[5,6-C]PYRAN), 9, III

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

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

Seveso category E2 Hazardous to the Aquatic Environment

Qualifying quantity (tonnes) for the application of**lower-tier requirements** 200 t**Qualifying quantity (tonnes) for the application of****upper-tier requirements** 500 t

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REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

. DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

. 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16. OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H302 Harmful if swallowed.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
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.

Recommended restriction of use:

This material is for industrial use only in household products, cosmetics, fragrances and fragranced products.

Customs tariffs:

3302.90.90.00.00

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concernin the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 3: Flammable liquids, Hazard Category 3
Acute Tox. 4: Acute toxicity, Hazard Category 4
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
Asp. Tox. 1: Aspiration hazard, Hazard Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

Department issuing MSDS: Quality control department

Contact: Serkan Mutlu

Certificate No: GBF-A-0-2268