

# MATERIAL SAFETY DATA SHEET

According to Commission Regulation (EU) 2015/830, Amending Regulation (EC) No 1907/2006

## AROMA OIL ORIENTAL BLOSSOM

DATE OF ISSUE: 26.09.2017

REVISION NO:

REVISION DATE: ...

Form No:N17052609/01

### 1. PRODUCT AND SUPPLIER DESCRIPTION

#### 1.1 Product Identifier:

Trade Name	: AROMA OIL ORIENTAL BLOSSOM
Article Number	: 660201003301
1.2 Usage Area	: Not for personal use. Cinemas, conferences, gym, businesses, cafes, restaurant and shopping mall etc. are suitable for use.
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.
Phone	: 0216 593 14 20
Fax	: 0216 593 14 23
E mail	: <a href="mailto:info@sinyal.net">info@sinyal.net</a>
Web	: <a href="http://www.sinyal.net">www.sinyal.net</a>

### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture Classification according to Regulation (EC) No 2015/830

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects



GHS07

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

**Information concerning particular hazards for human and environment:** The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

**Classification system:** The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

#### 2.2 Label elements

**Labelling according to Regulation (EC) No:** The product is classified and labelled according to the CLP regulation.  
2015/830

**Hazard pictograms:**



GHS07

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## Signal word

## Hazard-determining components of labelling:

## Warning

alpha-Hexylcinnamaldehyde(CAS: 101-86-0), dl-Citronellol(CAS: 106-22-9), 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone(CAS: 54464-57-2), Hydroxy-citronellal(CAS: 107-75-5), Benzyl Salicylate(CAS: 118-58-1), 4-tert-butylcyclohexyl acetate(CAS: 32210-23-4), alpha-methyl-1,3-benzodioxole-5-propionaldehyde(CAS: 1205-17-0),Geraniol(CAS: 106-24-1), 2-Methyl-3-(p isopropylphenyl) propionaldehyde(CAS: 103-95-7), allyl 3 -cyclohexylpropionate(CAS: 2705-87-5), 2,4-Dimethyl-3-cyclohexen-1-carboxaldehyde(CAS: 68039-49-6).

## Hazard statements

H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H317 May cause an allergic skin reaction.  
H412 Harmful to aquatic life with long lasting effects.

## Precautionary statements

P280 Wear protective gloves / eye protection / face protection.  
P273 Avoid release to the environment.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
Continue rinsing.  
P321 Specific treatment (see on this label).  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations

## 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: 101-86-0 EINECS: 202-983-3	alpha-Hexylcinnamaldehyde Aquatic Acute 1, H400; Aquatic Chronic 2, H411; Skin Sens. 1B, H317	5-10%
CAS: 88-41-5 EINECS: 201-828-7	2-tert-Butylcyclohexyl acetate Aquatic Chronic 2, H411	5-10%
CAS: 106-22-9 EINECS: 203-375-0	dl-Citronellol Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	5-10%
CAS: 18479-58-8 EINECS: 242-362-4	2,6-dimethyloct-7-en-2-ol Skin Irrit. 2, H315; Eye Irrit. 2, H319	%2,5-5
CAS: 63500-71-0 ELINCS: 405-040-6	2-Isobutyl-4-methyltetrahydro-2H-pyran-4-ol Eye Irrit. 2, H319	%2,5-5
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 2, H411; Skin Irrit. 2, H315; Skin Sens. 1, H317	%2,5-5
CAS: 78-70-6 EINECS: 201-134-4	Linalool Skin Irrit. 2, H315; Eye Irrit. 2, H319	%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: 118-58-1 EINECS: 204-262-9	Benzyl Salicylate Skin Sens. 1, H317; Aquatic Chronic 3, H412	%1-2,5
CAS: 60-12-8 EINECS: 200-456-2	2-phenylethanol Acute Tox. 4, H302; Eye Irrit. 2, H319	%1-2,5
CAS: 105-95-3 EINECS: 203-347-8	Ethylene brassylate Aquatic Chronic 2, H411	%1-2,5
CAS: 10094-34-5 EINECS: 233-221-8	alpha, alpha-Dimethylphenethyl butyrate Aquatic Chronic 2, H411	%1-2,5
CAS: 32210-23-4 EINECS: 250-954-9	4-tert-butylcyclohexyl acetate Aquatic Chronic 2, H411; Skin Sens. 1, H317	%1-2,5
CAS: 10339-55-6 EINECS: 233-732-6	3,7-Dimethyl-1,6-nonadien-3-ol Skin Irrit. 2, H315; Eye Irrit. 2, H319	%1-2,5
CAS: 1205-17-0 EINECS: 214-881-6	alpha-methyl-1,3-benzodioxole-5-propionaldehyde Aquatic Chronic 2, H411; Skin Sens. 1, H317	%0,1-1

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CAS: 106-24-1 EINECS: 203-377-1	Geraniol Eye Dam. 1, H318; Skin Irrit. 2, H315; Skin Sens. 1, H317	%0,1-1
CAS: 103-95-7 EINECS: 203-161-7	2-Methyl-3-(p-isopropylphenyl)propionaldehyde Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Skin Sens. 1, H317	%0,1-1
CAS: 2705-87-5 EINECS: 220-292-5	allyl 3-cyclohexylpropionate Aquatic Chronic 1, H410; Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Sens. 1, H317 Isocyclocitral Eye Irrit. 2, H319; Skin Sens. 1, H317; Aquatic Chronic 3, H412	%0,1-1
CAS: 68039-49-6 EINECS: 268-264-1	2,4-Dimethyl-3-cyclohexen-1-carboxaldehyde Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; Aquatic Chronic 3, H412	%0,1-1
CAS: 14073-97-3 EINECS: 237-926-1	L-menthan-3-one Skin Irrit. 2, H315; Skin Sens. 1, H317	%0,1-1
CAS: 142-19-8 EINECS: 205-527-1	allyl heptanoate Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; Aquatic Acute 1, H400; Aquatic Chronic 3, H412	%0,1-1
CAS: 128-37-0 EINECS: 204-881-4	2,6-di-tert-butyl-p-cresol Aquatic Acute 1, H400; Aquatic Chronic 1, H410	%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:** CO<sub>2</sub>, 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.**7.3 Specific end use(s):** No further relevant information available.

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### 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:****34590-94-8 (2-methoxymethylethoxy)propanol**IOELV Long-term value: 308 mg/m<sup>3</sup>, 50 ppm Skin**DNELs****101-86-0 alpha-Hexylcinnamaldehyde**Dermal DNEL Chronic Local 0,525 mg/cm<sup>2</sup> (workers)

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

DNEL Acute Local 0,525 mg/cm<sup>2</sup> (workers)Inhalative DNEL Acute Local 6,28 mg/m<sup>3</sup> (workers)DNEL Chronic Systemic 0,078 mg/m<sup>3</sup> (workers)**54464-57-2 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8-tetramethyl-2-naphthalenyl)ethanone**Dermal DNEL Acute Local 0,1011 mg/cm<sup>2</sup> (workers)Inhalative DNEL Chronic Systemic 1,76 mg/m<sup>3</sup> (workers)**PNECs****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

**Odour:**

Green, Fruity, Floral

**Flash point:**

92 °C

**Auto-ignition temperature:**

Product is not selfigniting.

**Explosive properties:**

Product does not present an explosion hazard.

**Density at 25 °C:**0.958 - 0.968 g/cm<sup>3</sup>**Refractive Index at 25 °C:**

1.4540 - 1.4610

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**Solubility in / Miscibility with****Water:**

Not miscible or difficult to mix.

**Alcohols:**

Fully miscible.

**9.2 Other information:** No further relevant information available.

## 10. STABILITY AND CAPABILITY OF REACTIVITY

**10.1 Reactivity****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:****LD/LC50 values relevant for classification:****88-41-5 2-tert-Butylcyclohexyl acetate**

Oral LD50 4600 mg/kg (rat)

Dermal LD50 5000 mg/kg (rabbit)

**101-86-0 alpha-Hexylcinnamaldehyde**

Oral LD50 3100 mg/kg (rat)

Dermal LD50 &gt;3000 mg/kg (rabbit)

Inhalative LC50/4 h &gt;5 mg/l (rat)

**106-22-9 dl-Citronellol**

Oral LD50 3450 mg/kg (rat)

Dermal LD50 2650 mg/kg (rabbit)

**54464-57-2 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone**

Oral LD50 5000 mg/kg (rat)

Dermal LD50 5000 mg/kg (rat)

**118-58-1 Benzyl Salicylate**

Oral LD50 2227 mg/kg (rat)

Dermal LD50 14150 mg/kg (rabbit)

**128-37-0 2,6-di-tert-butyl-p-cresol**

Oral LD50 890 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** Suspected of damaging fertility.**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:****88-41-5 2-tert-Butylcyclohexyl acetate**

EC50 48h 23,4 mg/l (daphnia)

LC50 48h 14,9 mg/l (fish)

LC50 72h 17 mg/l (alg)

**54464-57-2 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone**

EC50 48h 1,38 mg/l (daphnia)

EC50 72h 2,6 mg/l (alg)

LC50 96h 1,3 mg/l (fish)

NOEC 21 d 0,028 mg/l (daphnia)

NOEC 30 d 0,16 mg/l (fish)

NOEC 42 h &gt;100 mg/l (bacteria)

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118-58-1 Benzyl Salicylate  
EC50 1,70 mg/kg (daphnia)**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.**Ecotoxical 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**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.**14. TRANSPORTATION INFORMATION****14.1 UN-Number**

ADR, AND, IATA

IMDG

Void

UN3082

**14.2 UN proper shipping name**

ADR, AND, IATA

Void

IMDG

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (alpha-Hexylcinnamaldehyde, 2-tert- Butylcyclohexyl acetate), MARINE POLLUTANT

**14.3 Transport hazard class(es)**

ADR, AND, IATA

Void

IMDG



Class

9 Miscellaneous dangerous substances and articles.

Label

9

**14.4 Packing group**

ADR,IATA

Void

MDG

III

**14.5 Environmental hazards**

Marine pollutant

Product contains environmentally hazardous substances: alpha-Hexylcinnamaldehyde  
Symbol (fish and tree)**14.6 Special precautions for user**

Not applicable.

**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

UN "Model Regulation":

Void.

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### 15. REGULATORY INFORMATION

Directive 2012/18/EU

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

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

. 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

H301 Toxic if swallowed.  
H302 Harmful if swallowed.  
H311 Toxic in contact with skin.  
H312 Harmful 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.  
H331 Toxic if inhaled.  
H332 Harmful if inhaled.  
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 concerning 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  
Acute Tox. 3: Acute toxicity – Category 3  
Acute Tox. 4: Acute toxicity – Category 4  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2  
Skin Sens. 1: Skin sensitisation – Category 1  
Skin Sens. 1B: Skin sensitisation – Category 1B  
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1  
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1  
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2  
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

Department issuing MSDS: Quality control department

Contact: Serkan Mutlu

Certificate No: GBF-A-0-2268