

MATERIAL SAFETY DATA SHEET

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

AROMA OIL DARK SAPPHIRE

DATE OF ISSUE: 11.06.2018

REVISION NO:

REVISION DATE: 00

Form No: N18051106/02

1. PRODUCT AND SUPPLIER DESCRIPTION

1.1 Product Identifier:

Trade Name	: AROMA OIL DARK SAPPHIRE
Article Number	: 660201021201
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.
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2. HAZARDS IDENTIFICATION

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



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



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

2.2 Label elements Labelling according to Regulation (EC) No 2015/830

Hazard pictograms

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



Signal word Hazard-determining components of labelling:

Warning

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

3,7-dimethyl-1,6-octadien-3-yl acetate(CAS: 115-95-7)

Linalool (CAS: 78-70-6)

Formaldehyde cyclododecyl ethyl acetal(CAS: 58567-11-6)

Eugenol(CAS: 97-53-0)

Vetiver oil(CAS: 8016-96-4)

[1S-(1alpha,3aß,4alpha,8aß)]-decahydro-4,8,8-trimethyl-9-methylene-1,4-methanoazulene(CAS: 475-20-7)

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Eucalyptus globulus oil(CAS: 8000-48-4)

Cinnamal(CAS: 104-55-2)

Coumarin(CAS: 91-64-5)

Hazard statements

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

Precautionary statements

P280 Wear protective gloves.
P273 Avoid release to the environment.
P321 Specific treatment (see on this label).
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
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: 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	30-40%
CAS: 319002-92-1 ELINCS: 437-530-0	propyl(2S)-2-[(2-methyl-2-butanyl)oxy]propanoate Aquatic Chronic 3, H412	5-10%
CAS: 85085-41-2 EINECS: 285-370-3	Cedarwood oil, Virginian Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410	5-10%
CAS: 84238-39-1 EINECS: 282-493-4	Patchouli oil Asp. Tox. 1, H304; Aquatic Chronic 2, H411	2,5-5%
CAS: 115-95-7 EINECS: 204-116-4	3,7-dimethyl-1,6-octadien-3-yl acetate Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	2,5-5%
CAS: 78-70-6 EINECS: 201-134-4	Linalool Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	2,5-5%
CAS: 58567-11-6 EINECS: 261-332-1	Formaldehyde cyclododecyl ethyl acetal Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Skin Sens. 1B, H317	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: 65113-99-7 EINECS: 265-453-0	5-(2,2,3-Trimethyl-3-cyclopentenyl)-3-methylpentan-2-ol Aquatic Chronic 2, H411	1-2,5%
CAS: 14901-07-6 EINECS: 238-969-9	beta-Ionone Aquatic Chronic 2, H411	1-2,5%
CAS: 139504-68-0 ELINCS: 412-300-2 Index number: 603-154-00-2	1-[(2-tert-butyl)cyclohexyloxy]-2-butanol Aquatic Chronic 2, H411	1-2,5%
CAS: 67674-46-8 EINECS: 266-885-2	6,6-Dimethoxy-2,5,5-trimethylhex-2-ene Skin Irrit. 2, H315; Eye Irrit. 2, H319; Aquatic Chronic 3, H412	1-2,5%
CAS: 97-53-0 EINECS: 202-589-1	Eugenol Eye Irrit. 2, H319; Skin Sens. 1, H317	1-2,5%
CAS: 8016-96-4 EINECS: 282-490-8	Vetiver oil Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	0,1-1%

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CAS: 475-20-7 EINECS: 207-491-2	[1S-(1alpha,3aβ,4alpha,8aβ)]-decahydro-4,8,8-trimethyl-9-methyle Asp. Tox. 1, H304; Aquatic Chronic 1, H410; Skin Sens. 1, H317	0.1-1%
CAS: 8000-48-4 EINECS: 283-406-2	Eucalyptus globulus oil Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Skin Sens. 1, H317	0.1-1%
CAS: 104-55-2 EINECS: 203-213-9	Cinnamal Acute Tox. 4, H312; Skin Irrit. 2, H315; 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: 57378-68-4 EINECS: 260-709-8	delta-1-(2,6,6-Trimethyl-3-cyclohexen-1-yl)-2-buten-1-one Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, 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.

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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

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

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

Dermal DNEL Acute Local 0.1011 mg/cm² (workers)

Inhalative DNEL Chronic Systemic 1.76 mg/m³ (workers)

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

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

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: Woody, Amber, Musk

Flash point: >100°C

Auto-ignition temperature: Product is not selfigniting.

Explosive properties: Product does not present an explosion hazard.

Density at 25 °C: 0.956-0.966 g/cm³

Refractive Index at 25 °C: 1,4795-1,4865

Solubility in / Miscibility with

water: Not miscible or difficult to mix.

alcohols: Fully miscible.

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9.2 Other information No further relevant information available.**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 / LC 50 values relevant for classification :****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)

84238-39-1 Patchouli oil

Oral LD50 >5000 mg/kg (rat)

Dermal LD50 >5000 mg/kg (rabbit)

58567-11-6 Formaldehyde cyclododecyl ethyl acetal

Oral LD50 >2000 mg/kg (rat)

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)

65113-99-7 5-(2,2,3-Trimethyl-3-cyclopentenyl)-3-methylpentan-2-ol

Oral LD50 >6750 mg/kg (rat)

475-20-7 [1S-(1alpha,3aB,4alpha,8aB)]-decahydro-4,8,8-trimethyl-9-methylene-1,4-methanoazulene

Oral LD50 >5000 mg/kg (rat)

Dermal LD50 >5000 mg/kg (rabbit)

57378-68-4 delta-1-(2,6,6-Trimethyl-3-cyclohexen-1-yl)-2-buten-1-one

Oral LD50 1400 mg/kg (mouse)

Dermal LD50 >5000 mg/kg (rabbit)

. Primary irritant effect:**. Skin corrosion/irritation** Causes skin irritation.**. Serious eye damage/irritation** Based on available data, the classification criteria are not met.**. 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 :****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 42 h >100 mg/l (bacteria)

NOEC 30 d 0.16 mg/l (fish)

NOEC 21 d 0.028 mg/l (daphnia)

58567-11-6 Formaldehyde cyclododecyl ethyl acetal

LC50 96h >100 mg/l (fish)

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)

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65113-99-7 5-(2,2,3-Trimethyl-3-cyclopentenyl)-3-methylpentan-2-ol

EC50 48h 1.1 mg/l (daphnia)

LC50 96h 2.3 mg/l (fish)

57378-68-4 delta-1-(2,6,6-Trimethyl-3-cyclohexen-1-yl)-2-buten-1-one

ErC50 72h 4.54 mg/l (alg)

EbC50 72h 2.47 mg/l (alg)

LC50 96h 0.97 mg/l (fish)

NOEC 0.883 mg/l (alg)

NOEC 21 d 0.35 mg/l (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.**Ecotoxicological effects:****Remark:** Toxic for fish**Additional ecological information:**

General notes: Water hazard class 3 (German Regulation) (Self-assessment): extremely 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, IMDG, IATA**

UN3082

14.2 UN proper shipping name**ADR**

3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone, ETHYLENE GLYCOL BRASSYLATE)

IMDG

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone, ETHYLENE GLYCOL BRASSYLATE), MARINE POLLUTANT

IATA

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone, ETHYLENE GLYCOL BRASSYLATE)

14.3 Transport hazard class(es)**ADR, IMDG, IATA****Class**

9 Miscellaneous dangerous substances and articles.

Label

9

14.4 Packing group**ADR, IMDG, IATA**

III

14.5 Environmental hazards:

Product contains environmentally hazardous substances: Cedarwood oil, Virginian, 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran

Marine pollutant:

Symbol (fish and tree)

Special marking (ADR):

Symbol (fish and tree)

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. **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 Marpol 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

3

. **Transport category**. **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. (1-(1,2,3,4,5,6,7,8-OCTAHYDRO-2,3,8,8-TETRAMETHYL-2-NAPHTHALENYL)ETHANONE, ETHYLENE GLYCOL BRASSYLATE), 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. **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**

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

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.

. **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)

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 – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

SİNYAL ELEKTRONİK VE KOZMETİK ÜRÜNLER SAN. PAZ. LTD. ŞTİ.

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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

Asp. Tox. 1: Aspiration hazard – Category 1

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