

MATERIAL SAFETY DATA SHEET

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

AROMA OIL BLACK ICE-B

DATE OF ISSUE: 20.10.2017

REVISION NO: 02

REVISION DATE: 26.01.2022

Form No: N17052010/02

1. PRODUCT AND SUPPLIER DESCRIPTION**1.1 Product Identifier:**

Trade Name	: AROMA OIL BLACK ICE-B
Article Number	: 506201000402
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	: info@sinyal.net
Web	: www.sinyal.net

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

Hazard pictograms

GHS07



GHS09

Signal word**Hazard-determining components of labelling:**

Warning
Acetyl cedrene
Patchouli oil
Formaldehyde cyclododecyl ethyl acetal
Lemon oil
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone
alpha-Hexylcinnamaldehyde

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

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.

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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 Componentets:

CAS: 84238-39-1 EINECS: 282-493-4	Patchouli oil Asp. Tox. 1, H304; Aquatic Chronic 2, H411	2,75-5,5%
CAS: 32388-55-9 EINECS: 251-020-3	Acetyl cedrene Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1, H317	2,75-5,5%
CAS: 58567-11-6 EINECS: 261-332-1	Formaldehyde cyclododecyl ethyl acetal Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Skin Sens. 1, H317	2,75-5,5%
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 1, H410; Skin Irrit. 2, H315; Skin Sens. 1, H317	2,75-5,5%
CAS: 18479-58-8 EINECS: 242-362-4	2,6-dimethyloct-7-en-2-ol Skin Irrit. 2, H315; Eye Irrit. 2, H319	2,75-5,5%
CAS: 101-86-0 EINECS: 202-983-3	alpha-Hexylcinnamaldehyde Aquatic Acute 1, H400; Aquatic Chronic 2, H411; Skin Sens. 1B, H317	2,75-5,5%
CAS: 78-70-6 EINECS: 201-134-4	Linalool Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	1,38-2,75%
CAS: 1506-02-1 EINECS: 216-133-4	1-(5,6,7,8-Tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302	1,38-2,75%
CAS: 118-58-1 EINECS: 204-262-9	Benzyl Salicylate Skin Sens. 1, H317; Aquatic Chronic 3, H412; Eye Irrit. 2, H319; Skin	0,55-1,38%
CAS: 63500-71-0 ELINCS: 405-040-6	2-Isobutyl-4-methyltetrahydro-2H-pyran-4-ol Eye Irrit. 2, H319	0,55-1,38%
CAS: 115-95-7 EINECS: 204-116-4	Linalyl acetate Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	0,55-1,38%
CAS: 106-22-9 EINECS: 203-375-0	dl-Citronellol Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	0,55-1,38%
CAS: 34590-94-8 EINECS: 252-104-2	(2-methoxymethylethoxy)propanol substance with a Community workplace exposure limit	0,55-1,38%
CAS: 107-75-5 EINECS: 203-518-7	Hydroxy-citronellal Eye Irrit. 2, H319; Skin Sens. 1, H317	0,55-1,38%
CAS: 8008-56-8 EINECS: 284-515-8	Lemon oil Flam. Liq. 3, H226; Repr. 2, H361; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Skin Sens. 1, H317	0,55-1,38%
CAS: 60-12-8 EINECS: 200-456-2	2-phenylethanol Acute Tox. 4, H302; Eye Irrit. 2, H319	0,55-1,38%
CAS: 77-54-3 EINECS: 201-036-1	Cedryl acetate Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1B, H317	0,055-0,55%
CAS: 4707-47-5 EINECS: 225-193-0	Methyl atrarate Skin Sens. 1B, H317	0,055-0,55%
CAS: 87-44-5 EINECS: 201-746-1	beta-Caryophyllene Asp. Tox. 1, H304; Skin Sens. 1B, H317; Aquatic Chronic 4, H413	0,055-0,55%
CAS: 120-51-4 EINECS: 204-402-9	Benzyl benzoate Aquatic Acute 1, H400; Aquatic Chronic 2, H411; Acute Tox. 4, H302	0,055-0,55%
CAS: 16510-27-3 ELINCS: 444-110-0	1-Cyclopropylmethyl-4-methoxybenzene Aquatic Chronic 2, H411; Skin Sens. 1, H317	0,055-0,55%
CAS: 105-87-3 EINECS: 203-341-5	Geranyl acetate Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Chronic 3, H412	0,055-0,55%
CAS: 1222-05-5 EINECS: 214-946-9	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	0,055-0,55%
CAS: 68917-33-9 EINECS: 284-515-8	Lemon oil, terpenes Flam. Liq. 3, H226; Repr. 2, H361; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Skin Sens. 1, H317	0,055-0,55%
CAS: 91-64-5 EINECS: 202-086-7	Coumarin Acute Tox. 4, H302; Skin Sens. 1B, H317	0,055-0,55%
CAS: 97-53-0 EINECS: 202-589-1	Eugenol Eye Irrit. 2, H319; Skin Sens. 1B, H317	0,055-0,55%
CAS: 106-24-1 EINECS: 203-377-1	Geraniol Eye Dam. 1, H318; Skin Irrit. 2, H315; Skin Sens. 1, H317	0,055-0,55%

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CAS: 90131-58-1 EINECS: 290-370-1	Thuya occidentalis, ext. Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Acute Tox. 4, H302; Eye Irrit. 2, H319; Skin Sens. 1, H317	0,055-0,55%
CAS: 84696-07-1 EINECS: 283-626-9	Cypress oil Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Skin Sens. 1, H317	0,055-0,55%
CAS: 8008-57-9 EINECS: 232-433-8	Orange oil, sweet Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Skin Sens. 1, H317	0,055-0,55%
CAS: 5989-27-5 EINECS: 227-813-5	d-limonene Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Chronic 3, H412	0,055-0,55%
CAS: 99-85-4 EINECS: 202-794-6	p-Mentha-1,4-diene Flam. Liq. 3, H226; Repr. 2, H361; Asp. Tox. 1, H304; Aquatic Chronic 2, H411	0,055-0,55%
CAS: 4180-23-8 EINECS: 224-052-0	(E)-anethole Skin Sens. 1, H317	0,055-0,55%
CAS: 128-37-0 EINECS: 204-881-4	2,6-di-tert-butyl-p-cresol Aquatic Acute 1, H400; Aquatic Chronic 1, H410	0,055-0,55%

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.**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:**

34590-94-8 Dipropylene glycol monomethyl ether

IOELV Long-term value: 308 mg/m³, 50 ppm

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Skin

. D N E L s

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

Dermal DNEL Acute Local 0.1011 mg/cm2 (workers)

Inhalative DNEL Chronic Systemic 1.76 mg/m3 (workers)

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 can not 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:

Pale yellow

Odour:

Floral, Oriental

Flash point:

88 °C

Auto-ignition temperature:

Product is not selfigniting.

Explosive properties:

Product does not present an explosion hazard.

Density at 25 °C:0.950 - 0.970 g/cm³**Solubility in / Miscibility with****Water:**

Fully miscible.

Alcohols:

Fully miscible.

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.

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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:****84238-39-1 Patchouli oil**

Oral LD50 >5000 mg/kg (rat)

Dermal LD50 >5000 mg/kg (rabbit)

32388-55-9 Acetyl cedrene

Oral LD50 4500 mg/kg

Dermal LD50 >2000 mg/kg (rat)

58567-11-6 Formaldehyde cyclododecyl ethyl acetal

Oral LD50 >2000 mg/kg (rat)

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)

101-86-0 alpha-Hexylcinnamaldehyde

Oral LD50 3100 mg/kg (rat)

Dermal LD50 >3000 mg/kg (rabbit)

Inhalative LC50/4 h >5 mg/l (rat)

1506-02-1 1-(5,6,7,8-Tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one (Fixolid)

Oral LD50 964 mg/kg (rat)

Dermal LD50 7940 mg/kg (rat)

118-58-1 Benzyl Salicylate

Oral LD50 2227 mg/kg (rat)

Dermal LD50 14150 mg/kg (rabbit)

106-22-9 dl-Citronellol

Oral LD50 3450 mg/kg (rat)

Dermal LD50 2650 mg/kg (rabbit)

8008-56-8 Lemon oil

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)

5989-27-5 d-limonene

Oral LD50 4400 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:****32388-55-9 Acetyl cedrene**

LC50 96h mg/l (fish)

58567-11-6 Formaldehyde cyclododecyl ethyl acetal

LC50 96h >100 mg/l (fish)

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)

101-86-0 alpha-Hexylcinnamaldehyde

LC50 96h 1.7 mg/l (fish)

1506-02-1 1-(5,6,7,8-Tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one (Fixolid)

EC50 21d 0.244 mg/l (daphnia) (OECD211)

IC50 72h 0.8 mg/l (alg) (OECD 201)

LC50 21d 0.314 mg/l (fish) (OECD 204)

NOEC >22 mg/l (NEN 6515)

118-58-1 Benzyl Salicylate

EC50 1.7 mg/kg (daphnia)

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

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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)

. **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, even in small quantities.

Danger to drinking water if even extremely 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. (Patchouli oil, Acetyl cedrene)

IMDG

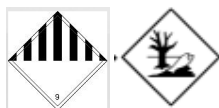
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Patchouli oil, Acetyl cedrene), MARINE POLLUTANT

IATA

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Patchouli oil, Acetyl cedrene)

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

Marine pollutant

Product contains environmentally hazardous substances:

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

Not applicable.

MARPOL73/78 and the IBC Code

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. (PATCHOULI OIL, ACETYL CEDRENE), 9, III

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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.
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.
H413 May cause long lasting harmful effects to aquatic life.

Recommended restriction of use:

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

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
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 4: Acute toxicity - oral – 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
Repr. 2: Reproductive toxicity – Category 2
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
Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4

Department issuing MSDS: Quality control department

Contact: Serkan Mutlu

Certificate No: GBF-A-0-2268