

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

FRACM-EF2049667 - MIXTURE OF ODORIFEROUS SUBSTANCES

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name	FRACV-EF2049667 MIXTURE OF ODORIFEROUS SUBSTANCES Siver Amber (Амбра Серебряная)
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1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture	Fragrances
Recommended restrictions on use	For industrial use only

1.3 Details of the supplier of the safety data sheet

Company	ООО Юкендлз Компани, Москва, Баркляя 6к5 оф 23к1, +74993220577, info@candlemaker.ru
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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Skin irritation, Category 2	H315: Causes skin irritation.
Eye irritation, Category 2	H319: Causes serious eye irritation.
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.
Long-term (chronic) aquatic hazard, Category 2	H411: Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008) Hazard pictograms

Signal word	Warning
Hazard statements	H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H411 Toxic to aquatic life with long lasting effects.
Precautionary statements	Prevention: P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. P264 Wash skin thoroughly after handling. P273 Avoid release to the environment. P280 Wear protective gloves/ eye protection/ face protection. Response: P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention. P391 Collect spillage.

Hazardous components which must be listed on the label: α -hexylcinnamaldehyde

linalool

(ethoxymethoxy)cyclododecane

1,3,4,6,7,8a-hexahydro-1,1,5,5-tetramethyl-2H-2,4a-methanonaphthalen-8(5H)-one (R)-p-mentha-1,8-diene

linalyl acetate

[3R-(3 α ,3 β ,6 β ,7 β ,8 $\alpha\alpha$)]-octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene

citral

1-(2,6,6-trimethyl-3-cyclohexen-1-yl)-2-buten-1-one methyl 2,4-dihydroxy-3,6-dimethylbenzoate

coumarin

pin-2(10)-ene

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
No information available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification	Concentration (% w/w)
α -hexylcinnamaldehyde	101-86-0 202-983-3 01-2119533092-50-XXXX	Skin Sens. 1B; H317 Aquatic Acute 1; H400 Aquatic Chronic 2; H411	≥ 10 - < 20
linalool	78-70-6 201-134-4 01-2119474016-42-XXXX	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1B; H317	≥ 1 - < 10
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	1222-05-5 214-946-9 01-2119488227-29-XXXX	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	$\geq 2,5$ - < 10
2,6-dimethyloct-7-en-2-ol	18479-58-8 242-362-4 01-2119457274-37-XXXX	Skin Irrit. 2; H315 Eye Irrit. 2; H319	≥ 1 - < 10
2-phenylethanol	60-12-8 200-456-2 01-2119963921-31-XXXX	Acute Tox. 4; H302 Eye Irrit. 2; H319	≥ 1 - < 10
2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol	28219-61-6	Eye Irrit. 2; H319	$\geq 2,5$ - < 10
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one	248-908-8 01-2119529224-45-XXXX	Aquatic Chronic 2; H411	
	14901-07-6 238-969-9 01-2119449921-34-XXXX	Aquatic Chronic 2; H411	$\geq 2,5$ - < 10

(ethoxymethoxy)cyclodecane	58567-11-6 261-332-1 01-2119971571-34-XXXX	Skin Irrit. 2; H315 Skin Sens. 1B; H317 Aquatic Chronic 2; H411	>= 1 - < 2,5
1,3,4,6,7,8a-hexahydro-1,1,5,5-tetramethyl-2H-2,4a-methanonaphthalen-8(5H)-one	23787-90-8 245-890-3 01-2120136162-69-XXXX	Skin Irrit. 2; H315 Skin Sens. 1B; H317 Aquatic Chronic 2; H411	>= 1 - < 2,5
(R)-p-mentha-1,8-diene	5989-27-5 227-813-5 01-2119529223-47-XXXX	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Skin Sens. 1B; H317 Asp. Tox. 1; H304 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 1 - < 2,5
linalyl acetate	115-95-7 204-116-4 01-2119454789-19-XXXX	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1B; H317	>= 1 - < 10
1-(5,6,7,8-tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one	1506-02-1 216-133-4 01-2119539433-40-XXXX	Acute Tox. 4; H302 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 0,25 - < 1
[3R-(3 α ,3 $\alpha\beta$,6 β ,7 β ,8 $\alpha\alpha$)]-octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene	19870-74-7 243-384-7 01-2120228335-61-XXXX	Skin Sens. 1B; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 0,25 - < 1
citral	5392-40-5 226-394-6 01-2119462829-23-XXXX	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317	>= 0,1 - < 1
1-(2,6,6-trimethyl-3-cyclohexen-1-yl)-2-buten-1-one	57378-68-4 260-709-8 01-2119535122-53-XXXX	Acute Tox. 4; H302 Skin Irrit. 2; H315 Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 0,25 - < 1
methyl 2,4-dihydroxy-3,6-dimethylbenzoate	4707-47-5 225-193-0 01-2120762759-36-XXXX	Skin Sens. 1B; H317	>= 0,1 - < 1
coumarin	91-64-5 202-086-7 01-2119943756-26-XXXX, 01-2119949300-45-XXXX	Acute Tox. 4; H302 Skin Sens. 1B; H317	>= 0,1 - < 1
pin-2(10)-ene	127-91-3 204-872-5 01-2119519230-54-XXXX	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Skin Sens. 1B; H317 Asp. Tox. 1; H304 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 0,25 - < 1

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice	Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.
If inhaled	If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.
In case of skin contact	If skin irritation persists, call a physician. If on skin, rinse well with water. If on clothes, remove clothes.
In case of eye contact	Immediately flush eye(s) with plenty of water. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
If swallowed	Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

Risks	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.
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4.3 Indication of any immediate medical attention and special treatment needed

Treatment	No information available.
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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	No information available.
Unsuitable extinguishing media	High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting	Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion products	No hazardous combustion products are known

5.3 Advice for firefighters

Special protective equipment for firefighters	Wear self-contained breathing apparatus for firefighting if necessary.
Further information	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	Use personal protective equipment. No conditions to be specially mentioned.
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6.2 Environmental precautions

Environmental precautions	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
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6.3 Methods and material for containment and cleaning up

Methods for cleaning up	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.
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6.4 Reference to other sections

For disposal considerations see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling	Do not breathe vapours/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Dispose of rinse water in accordance with local and national regulations. Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
Advice on protection against fire and explosion	Normal measures for preventive fire protection.
Hygiene measures	When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Electrical installations / working materials must comply with the technological safety standards.
Other data	No decomposition if stored and applied as directed

7.3 Specific end use(s)

Specific use(s)	No data available
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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Personal protective equipment

Eye protection	Eye wash bottle with pure water Tightly fitting safety goggles Wear face-shield and protective suit for abnormal processing problems
Hand protection Remarks	The suitability for a specific workplace should be discussed with the producers of the protective gloves.
Skin and body protection	Impervious clothing Choose body protection according to the amount and concentration of the dangerous substance at the work place.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	liquid	
Odour	:	characteristic
Flash point	:	> 61 °C

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions	No decomposition if stored and applied as directed.
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10.4 Conditions to avoid

Conditions to avoid	No data available
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10.5 Incompatible materials

Materials to avoid	No data available
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10.6 Hazardous decomposition products

No data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Not classified based on available information.

Product:

Acute oral toxicity	Acute toxicity estimate: > 2.000 mg/kg Method: Calculation method
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Skin corrosion/irritation

Causes skin irritation.

Product: Remarks: May cause skin irritation and/or dermatitis.

Components:

α -hexylcinnamaldehyde: Remarks: May cause skin irritation and/or dermatitis.

linalool: Remarks: May cause skin irritation and/or dermatitis

2,6-dimethyloct-7-en-2-ol: Remarks: May cause skin irritation in susceptible persons

2-phenylethanol: Remarks: May cause skin irritation in susceptible persons.

2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol: Remarks: May cause skin irritation in susceptible persons

(ethoxymethoxy)cyclododecane: Remarks: May cause skin irritation and/or dermatitis.

1,3,4,6,7,8a-hexahydro-1,1,5,5-tetramethyl-2H-2,4a-methanonaphthalen-8(5H)-one: Remarks: May cause skin irritation and/or dermatitis

(R)-p-mentha-1,8-diene: Remarks: May cause skin irritation and/or dermatitis.

linalyl acetate: Remarks: May cause skin irritation and/or dermatitis.

[3R-(3 α ,3 α β ,6 β ,7 β ,8 α)]-octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene: Remarks: May cause skin irritation and/or dermatitis.

citral: Remarks: May cause skin irritation and/or dermatitis.

1-(2,6,6-trimethyl-3-cyclohexen-1-yl)-2-buten-1-one: Remarks: May cause skin irritation and/or dermatitis.

methyl 2,4-dihydroxy-3,6-dimethylbenzoate: Remarks: May cause skin irritation and/or dermatitis.

coumarin: Remarks: May cause skin irritation and/or dermatitis.

pin-2(10)-ene: Remarks: May cause skin irritation and/or dermatitis.

Serious eye damage/eye irritation

Causes serious eye irritation.

Product: Remarks: May cause irreversible eye damage.

Components:

α -hexylcinnamaldehyde:

Remarks: Vapours may cause irritation to the eyes, respiratory system and the skin

linalool: Remarks: May cause irreversible eye damage.

2,6-dimethyloct-7-en-2-ol: Remarks: May cause irreversible eye damage.

2-phenylethanol: Remarks: May cause irreversible eye damage.

2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol: Remarks: May cause irreversible eye damage.

(ethoxymethoxy)cyclododecane: Remarks: Vapours may cause irritation to the eyes, respiratory system and the skin

1,3,4,6,7,8a-hexahydro-1,1,5,5-tetramethyl-2H-2,4a-methanonaphthalen-8(5H)-one: Remarks: Vapours may cause irritation to the eyes, respiratory system and the skin.

(R)-p-mentha-1,8-diene: Remarks: Vapours may cause irritation to the eyes, respiratory system and the skin.

linalyl acetate: Remarks: May cause irreversible eye damage.

[3R-(3 α ,3 α β ,6 β ,7 β ,8 α)]-octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene: Remarks: Vapours may cause irritation to the eyes, respiratory system and the skin.

citral: Remarks: May cause irreversible eye damage.

1-(2,6,6-trimethyl-3-cyclohexen-1-yl)-2-buten-1-one: Remarks: Vapours may cause irritation to the eyes, respiratory system and the skin.

methyl 2,4-dihydroxy-3,6-dimethylbenzoate: Remarks: Vapours may cause irritation to the eyes, respiratory system and the skin

coumarin: Remarks: Vapours may cause irritation to the eyes, respiratory system and the skin.

pin-2(10)-ene: Remarks: Vapours may cause irritation to the eyes, respiratory system and the skin.

Respiratory or skin sensitisation

Skin sensitisation

May cause an allergic skin reaction.

Respiratory sensitisation

Not classified based on available information.

Product: Remarks: Causes sensitisation.

Components:

α -hexylcinnamaldehyde: Remarks: Causes sensitisation.

linalool: Remarks: Causes sensitisation.

ethoxymethoxy)cyclododecane: Remarks: Causes sensitisation.

1,3,4,6,7,8a-hexahydro-1,1,5,5-tetramethyl-2H-2,4a-methanonaphthalen-8(5H)-one: Remarks: Causes sensitisation.

(R)-p-mentha-1,8-diene: Remarks: Causes sensitisation.

linalyl acetate: Remarks: Causes sensitisation.

[3R-(3 α ,3 α β ,6 β ,7 β ,8 α)]-octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene: Remarks: Causes sensitisation.

citral: Remarks: Causes sensitisation.
1-(2,6,6-trimethyl-3-cyclohexen-1-yl)-2-buten-1-one: Remarks: Causes sensitisation
methyl 2,4-dihydroxy-3,6-dimethylbenzoate: Remarks: Causes sensitisation.
coumarin: Remarks: Causes sensitisation
pin-2(10)-ene: Remarks: Causes sensitisation.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

Further information

Product: Remarks: No data available
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Components:

α-hexylcinnamaldehyde: Remarks: No data available
linalool: Remarks: No data available
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran: Remarks: No data available
2,6-dimethyloct-7-en-2-ol: Remarks: No data available
2-phenylethanol: Remarks: No data available
2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol: Remarks: No data available
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one: Remarks: No data available
(ethoxymethoxy)cyclododecane: Remarks: No data available
1,3,4,6,7,8a-hexahydro-1,1,5,5-tetramethyl-2H-2,4a-methanonaphthalen-8(5H)-one: Remarks: No data available
(R)-p-mentha-1,8-diene: Remarks: Solvents may degrease the skin.
linalyl acetate: Remarks: No data available
1-(5,6,7,8-tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one: Remarks: No data available
[3R-(3α,3αβ,6β,7β,8α)]-octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene: Remarks: No data available
citral: Remarks: No data available
1-(2,6,6-trimethyl-3-cyclohexen-1-yl)-2-buten-1-one: Remarks: No data available
methyl 2,4-dihydroxy-3,6-dimethylbenzoate: Remarks: No data available
coumarin: Remarks: No data available
pin-2(10)-ene: Remarks: Solvents may degrease the skin.

SECTION 12: Ecological information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..
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12.6 Other adverse effects

Product:

Endocrine disrupting potential	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
Additional ecological information	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life with long lasting effects.

Components:

α-hexylcinnamaldehyde: Additional ecological information	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. Toxic to aquatic life with long lasting effects.
linalool: Additional ecological information	No data available
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran: Additional ecological information	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life with long lasting effects.
2,6-dimethyloct-7-en-2-ol: Additional ecological information	No data available
2-phenylethanol: Additional ecological information	No data available
2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol: Additional ecological information	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life with long lasting effects.

4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one: Additional ecological information	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life with long lasting effects.
(ethoxymethoxy)cyclododecane: Additional ecological information	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life with long lasting effects.
1,3,4,6,7,8a-hexahydro-1,1,5,5-tetramethyl-2H-2,4a-methanonaphthalen-8(5H)-one: Additional ecological information	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life with long lasting effects.
(R)-p-mentha-1,8-diene: Additional ecological information	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life with long lasting effects.
linalyl acetate: Additional ecological information	No data available
1-(5,6,7,8-tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one: Additional ecological information	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
[3R-(3α,3$\alpha$$\beta$,6$\beta$,7$\beta$,8$\alpha$)]-octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene: Additional ecological information	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life with long lasting effects.
citral: Additional ecological information	No data available
1-(2,6,6-trimethyl-3-cyclohexen-1-yl)-2-buten-1-one: Additional ecological information	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life with long lasting effects.
methyl 2,4-dihydroxy-3,6-dimethylbenzoate: Additional ecological information	No data available
coumarin: Additional ecological information	No data available
pin-2(10)-ene: Additional ecological information	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product	The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.
Contaminated packaging	Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.

SECTION 14: Transport information

14.1 UN number

ADR	UN 3082
IMDG	UN 3082
IATA	UN 3082

14.2 UN proper shipping name

ADR	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (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. (1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran, 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran)
IATA	Environmentally hazardous substance, liquid, n.o.s. (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	9
IMDG	9
IATA	9

14.4 Packing group

ADR	
Packing group	III
Classification Code	M6
Hazard Identification Number	90
Labels	9
Tunnel restriction code	(-)

IMDG
Packing group III
Labels 9
EmS Code : F-A, S-F

IATA
Packing instruction (cargo aircraft) 964
Packing instruction 964
(passenger aircraft) Packing instruction (LQ) Y964
Packing group III
Labels Miscellaneous

14.5 Environmental hazards

ADR	
Environmentally hazardous	yes

IMDG

Marine pollutant	yes
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14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	Not applicable
Concern for Authorisation (Article 59).	Not applicable
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer	Not applicable
Regulation (EU) 2019/1021 on persistent organic pollutants (recast)	Not applicable
Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals	Not applicable
REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII)	Conditions of restriction for the following entries should be considered: (3)

15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

SECTION 16: Other information

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.
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.

Full text of other abbreviations

Acute Tox	Acute toxicity
Aquatic Acute	Short-term (acute) aquatic hazard

Aquatic Chronic	Long-term (chronic) aquatic hazard
Asp. Tox.	Aspiration hazard
Eye Irrit.	Eye irritation
Flam. Liq	Flammable liquids
Skin Irrit.	Skin irritation
Skin Sens.	Skin sensitisation

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO -

International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.