Safety Data Sheet

MB ASL AIR EDP – MON-A-013-KR--01

Version: 1
Version date: 15/06/2023
Language: EN
According to Regulation (EC) No. 1907/2006 (amended by Regulation (EU) No. 2020/878)

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Trade name/designation : MB ASL AIR EDP – MON-A-013-KR--01.

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses : For use by the public – Cosmetic products - Do not swallow.

1.3. Details of the supplier of the safety data sheet

Supplier :

Nom : INCC PARFUMS
Rue : 85 Avenue de Saint-Cloud,
Code postal/Ville : 78000 – VERSAILLES,
Pays : France
Téléphone : +33 (0)1 39 67 06 71
Email : contact@incc-group.com

1.4. Emergency Telephone Number

United Kingdom:

In England and Wales: dial 111 (NHS 111), In Scotland: dial 111 (NHS 24), In Northern Ireland: Contact your local GP or pharmacist during normal hours. During GP Out-of-Hours (www.gpoutofhours.hscni.net/): Belfast HSC Trust, (North & West) 028 9074 4447, (South & East) 028 9079 6220 South Eastern HSC Trust, (North Down & Ards) 028 9182 2344, (Lisburn & Downpatrick) 028 9260 2204, Dalriada Urgent Care (Northern Trust area) 028 2566 3500, Southern HSC Trust 028 3839 9201, Western Urgent Care 028 7186 5195.

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to the regulation (EC) n°1272/2008 (CLP) and its amendments

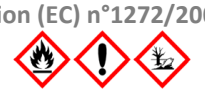
Hazards identification:

H225	Flam. Liq. 2	Highly flammable liquid and vapour.
H315	Skin Irrit. 2	Causes skin irritation.
H317	Skin Sens. 1B	May cause an allergic skin reaction.
H411	Aquatic Chronic 2	Toxic to aquatic life with long lasting effects.

2.2. Label elements

Label elements according to the regulation (EC) n°1272/2008 (CLP) and its amendments

Hazard pictograms



Signal word

Danger

Hazard Statements

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H411	Toxic to aquatic life with long lasting effects.

Precautionary Statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.

Precautionary Statements - Prevention

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements - Response

P302+P352	IF ON SKIN: Wash with plenty of water.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.

Precautionary Statements - Storage
P403+P235 Store in a well-ventilated place. Keep cool.

Precautionary Statements - Disposal
P501 Dispose of contents and container in accordance with local regulations.

Contains
1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one, [3R-(3α,3aβ,6α,7β,8aα)]-octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene, (R)-p-mentha-1,8-diene, 3,7-dimethylnona-1,6-dien-3-ol, linalool

2.3. Other hazards
In accordance with Regulation (EU) 1907/2006, [1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran, CAS: 1222-05-5, EC: 214-946-9; 1-[4-(1,1-dimethylethyl)phenyl]-3-(4-methoxyphenyl)propane-1,3-dione, CAS: 70356-09-1, EC: 274-581-6] is/are evaluated to be PBT or vPvB.
According to Regulation (EU) 2017/2100 or Regulation (EU) 2018/605, no substances are known to have endocrine disrupting properties.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures
In accordance with the product knowledge, no nanomaterials have been identified.
The mixture does not contain any substances classified as Substances of Very High Concern (SVHC) by the European CHemicals Agency (ECHA) under article 57 of REACH: http://echa.europa.eu/fr/candidate-list-table.

Substance	Concentration (%)	Specific concentration limits	Classification
ethanol [1]			
CAS N° 64-17-5 EC N° 200-578-6 IDX N° 603-002-00-5	C≤ 72.2645%		H225 Flam. Liq. 2
1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one			
CAS N° 68155-66-8 EC N° 268-978-3 IDX N°	C< 7.5%		H315 Skin Irrit. 2 H317 Skin Sens. 1B H411 Aquatic Chronic 2
[3R-(3α,3aβ,6α,7β,8aα)]-octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene			
CAS N° 67874-81-1 EC N° 267-510-5 IDX N°	C< 1.5%	M=1	H317 Skin Sens. 1B H400 Aquatic Acute 1 H410 Aquatic Chronic 1
(R)-p-mentha-1,8-diene			
CAS N° 5989-27-5 EC N° 227-813-5 IDX N° 601-096-00-2	C< 1.5%	M=1	H226 Flam. Liq. 3 H304 Asp. Tox. 1 H315 Skin Irrit. 2 H317 Skin Sens. 1B H400 Aquatic Acute 1 H412 Aquatic Chronic 3
linalyl acetate			
CAS N° 115-95-7 EC N° 204-116-4 IDX N°	C< 1.5%		H315 Skin Irrit. 2 H317 Skin Sens. 1B H319 Eye Irrit. 2
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran			
CAS N° 1222-05-5 EC N° 214-946-9 IDX N° 603-212-00-7	C< 1.5%		H400 Aquatic Acute 1 H410 Aquatic Chronic 1
2,6-dimethyloct-7-en-2-ol			
CAS N° 18479-58-8 EC N° 242-362-4 IDX N°	C< 1.5%		H315 Skin Irrit. 2 H319 Eye Irrit. 2 H336 STOT SE 3 H336
linalool			
CAS N° 78-70-6 EC N° 201-134-4 IDX N° 603-235-00-2	C< 1.5%		H315 Skin Irrit. 2 H317 Skin Sens. 1B H319 Eye Irrit. 2
3,7-dimethylnona-1,6-dien-3-ol			
CAS N° 10339-55-6 EC N° 233-732-6 IDX N°	C< 1.5%		H315 Skin Irrit. 2 H317 Skin Sens. 1B H319 Eye Irrit. 2
1-[4-(1,1-dimethylethyl)phenyl]-3-(4-methoxyphenyl)propane-1,3-dione			
CAS N° 70356-09-1 EC N° 274-581-6	C≤ 0.5%		

IDX N°				
pin-2(10)-ene				
CAS N°	127-91-3	C< 0.15%		H226 Flam. Liq. 3
EC N°	204-872-5			H304 Asp. Tox. 1
IDX N°				H315 Skin Irrit. 2
				H317 Skin Sens. 1B
				H400 Aquatic Acute 1
				H410 Aquatic Chronic 1
citronellol				
CAS N°	106-22-9	C< 0.15%		H315 Skin Irrit. 2
EC N°	203-375-0			H317 Skin Sens. 1B
IDX N°				H319 Eye Irrit. 2
p-mentha-1,4-diene				
CAS N°	99-85-4	C< 0.15%		H226 Flam. Liq. 3
EC N°	202-794-6			H304 Asp. Tox. 1
IDX N°				H361 Repr. 2
				H411 Aquatic Chronic 2
[3R-(3α,3aβ,7β,8aα)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one				
CAS N°	32388-55-9	C< 0.15%		H317 Skin Sens. 1B
EC N°	251-020-3			H400 Aquatic Acute 1
IDX N°				H410 Aquatic Chronic 1
1,2,3,5,6,7-hexahydro-1,1,2,3,3-pentamethyl-4H-inden-4-one				
CAS N°	33704-61-9	C< 0.15%		H315 Skin Irrit. 2
EC N°	251-649-3			H317 Skin Sens. 1B
IDX N°				H319 Eye Irrit. 2
				H411 Aquatic Chronic 2
pin-2(3)-ene				
CAS N°	80-56-8	C< 0.15%		H226 Flam. Liq. 3
EC N°	201-291-9			H302 Acute Tox. 4 ORAL
IDX N°				H304 Asp. Tox. 1
				H315 Skin Irrit. 2
				H317 Skin Sens. 1B
				H400 Aquatic Acute 1
				H410 Aquatic Chronic 1
(Z)-3-hexenyl salicylate				
CAS N°	65405-77-8	C< 0.15%		H400 Aquatic Acute 1
EC N°	265-745-8			H411 Aquatic Chronic 2
IDX N°				
methyl 2,4-dihydroxy-3,6-dimethylbenzoate				
CAS N°	4707-47-5	C< 0.15%		H317 Skin Sens. 1B
EC N°	225-193-0			
IDX N°				
coumarin				
CAS N°	91-64-5	C< 0.15%		H301 Acute Tox. 3 ORAL
EC N°	202-086-7			H317 Skin Sens. 1B
IDX N°				
1-(5,6,7,8-tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one				
CAS N°	21145-77-7	C< 0.15%	M(Chronic)=1	H302 Acute Tox. 4 ORAL
EC N°	244-240-6			H400 Aquatic Acute 1
IDX N°				H410 Aquatic Chronic 1
allyl (3-methylbutoxy)acetate				
CAS N°	67634-00-8	C< 0.15%		H302 Acute Tox. 4 ORAL
EC N°	266-803-5			H312 Acute Tox. 4 DERMAL
IDX N°				H330 Acute Tox. 2 INHALATION
				H373 STOT RE 2
				H400 Aquatic Acute 1
(E)-anethole				
CAS N°	4180-23-8	C< 0.15%		H317 Skin Sens. 1B
EC N°	224-052-0			H412 Aquatic Chronic 3
IDX N°				
caryophyllene				
CAS N°	87-44-5	C< 0.15%		H304 Asp. Tox. 1
EC N°	201-746-1			H317 Skin Sens. 1B
IDX N°				
citral				
CAS N°	5392-40-5	C< 0.15%		H315 Skin Irrit. 2

EC N°	226-394-6			H317	Skin Sens. 1
IDX N°	605-019-00-3			H319	Eye Irrit. 2

[1] Substance for which maximum workplace exposure limits are available.

Remark

Text phrases and H- EUH-: see section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
Do not leave affected person unattended.
Remove victim out of the danger area.
Keep affected person warm, still and covered.
Remove the affected person from the danger zone and lay down.

Following inhalation:

Remove person to fresh air and keep comfortable for breathing.

Following skin contact:

Remove contaminated, saturated clothing immediately.
After contact with skin, wash immediately with plenty of water and soap.
Take off immediately all contaminated clothing.
In case of skin irritation, consult a physician.
In case of skin reactions, consult a physician.

Following eye contact:

In case of eye irritation consult an ophthalmologist.
Rinse immediately carefully and thoroughly with eye-bath or water.
Remove contact lenses, if present and easy to do. Continue rinsing.
Protect unharmed eye.

Following ingestion:

Never give anything by mouth to an unconscious person or a person with cramps.
IF SWALLOWED: Rinse mouth.
Do NOT induce vomiting.

Self-protection of the first aider:

First aider: Pay attention to self-protection!.

4.2. Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor:

Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media:

Foam.
Extinguishing powder.
Carbon dioxide (CO2).
Sand.

Unsuitable extinguishing media:

Strong water jet.

5.2. Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information

Do not inhale vapors and fumes.
Co-ordinate fire-fighting measures to the fire surroundings.
Move undamaged containers from immediate hazard area if it can be done safely.
Use caution when applying carbon dioxide in confined spaces. carbon dioxide can displace oxygen.
Use water spray jet to protect personnel and to cool endangered containers.
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protection equipment.
Remove persons to safety.

Provide adequate ventilation.
Use appropriate respiratory protection.

6.2. Environmental precautions

Ensure that waste is collected and contained.
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
Avoid release to the environment.
Cover drains.
Ensure all waste water is collected and treated via a waste water treatment plant.
Do not allow to enter into soil/subsoil.
Do not allow to enter into surface water or drains.
Retain contaminated washing water and dispose it.
Contain leaks or spills within cabinets with removable trays.

6.3. Methods and material for containment and cleaning up

Treat the recovered material as prescribed in the section on waste disposal.
Collect in closed and suitable containers for disposal.
Clean contaminated objects and areas thoroughly observing environmental regulations.
Ventilate affected area.
Collect spillage.
Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Wipe up with absorbent material (eg. cloth, fleece).

6.4. Reference to other sections

Safe handling: see section 7.
Disposal: see section 13.
Personal protection equipment: see section 8.

Additional information

Not available

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

PROTECTIVE MEASURES:

Avoid contact with skin, eyes and clothes.
Remove fume condensates periodically from extraction hoods, leads and other surfaces (wear personal protective clothing!) as there is a risk of catching fire.
Use only in well-ventilated areas.
If local exhaust ventilation is not possible or not enough, the entire work area must be ventilated by technical means.
Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.
Provide earthing of containers, equipment, pumps and ventilation facilities.
Take precautionary measures against static discharges.
Wear personal protective clothing (see section 8).
Sewers and ducts must be protected against the entry of the product.
Do not put any product-impregnated cleaning rags into your trouser pockets.
Provide for retaining containers, eg. floor pan without outflow.
Provide adequate ventilation as well as local exhaustion at critical locations.
Vapours/aerosols should be exhausted directly at the point of origin.
Avoid breathing gas/fumes/vapour/spray.

Advices on general occupational hygiene:

Wash hands before breaks and after work.
Remove contaminated, saturated clothing immediately.
Wash contaminated clothing before reuse.
Street clothing should be stored seperately from work clothing.
Work in well ventilated zones or use proper respiratory protection.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry, cool, and well-ventilated place.
Keep container in upright position in order to prevent leakage.

Requirements for storage rooms and vessels:

Ensure adequate ventilation of the storage area.
Ground/bond container and receiving equipment.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Use isolated drainage to prevent discharge to soil.

Advice on joint storage:

Keep away from food, drink and animal feedingstuffs.
Keep away from clothing and other combustible materials.
Keep only in the original container in a cool, well-ventilated place, away from highly flammable substances.

Further information on storage conditions:

Use explosion-proof electrical/ventilating/lighting/.../equipment.
Use only non-sparking tools.

7.3. Specific end uses
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters
Occupational exposure limits:

Substance	Value	Unit	Type
ethanol CAS: 64-17-5 (GB)	1,920	mg/m³	Exposure limit (8 hours)
ethanol CAS: 64-17-5 (GB)	1,000	ppm	Exposure limit (8 hours)

Biological limit values:
Not available
Exposure limits at intended use:
Not available

Remark:
Not available

8.2. Exposure controls
Appropriate engineering controls:
Technical measures and the application of suitable work processes have priority over personal protection equipment.
Provide adequate ventilation as well as local exhaustion at critical locations.
Individual protection measures, such as personal protective equipment:

Eye/face protection : **Suitable eye protection**:
Not available

Skin protection : **Hand protection**:
Suitable gloves type:
Wear protective gloves.
Suitable material:
NBR (nitrile rubber).
Additional hand protection measures:
Do not wear gloves near machines and rotating tools.
Use gloves only once.
Remark:
When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.
The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.
For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.
Breakthrough times and swelling properties of the material must be taken into consideration.
Body protection:
Suitable protective clothing:
Lab coat.

Respiratory protection : **Respiratory protection necessary at**:
If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.
Suitable respiratory protection apparatus:
Wear respiratory protection.
Remark:
The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.
Observe the wear time limits as specified by the manufacturer.
Use only respiratory protection equipment with CE-symbol including four digit test number.

Environmental exposure controls:
Not available
Consumer exposure controls:

Not available

Additional information

Not available

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	:	Limpid liquid.
Colour	:	Light Yellow
Odour	:	Characteristic
pH	:	Not available
Melting point/freezing point	:	Not available
Initial boiling point and boiling range	:	Not available
Flash point	:	17.4°C +/- 2.0°C, closed cup
Flammability	:	Flammable
Upper/lower flammability or explosive limits	:	Not available
Vapour pressure	:	Not available
Vapour density	:	Not available
Relative density	:	0.8498 +/- 0.005
Solubility(ies)	:	Hydrosoluble
Partition coefficient n-octanol/water (log value)	:	Not applicable
Auto-ignition temperature	:	Not available
Decomposition temperature	:	Not available
Kinematic viscosity	:	Not applicable
Solubility in other Solvents	:	Not available
Particle characteristics	:	Not applicable

9.2. Other safety information

Information concerning to the classes of physical hazards

Not available

Other security characteristics

Not available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No known reactions under normal handling and storage conditions.

10.2. Chemical stability

The mixture is stable under normal handling and storage conditions.

10.3. Possibility of hazardous reactions

No known hazardous reactions under normal handling and storage conditions.

10.4. Conditions to avoid

Do not expose to temperature exceeding 35°C. Keep away from flame or heat sources.

10.5. Incompatible materials

No known incompatible materials.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

Additional information

Not available

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute oral toxicity:

The product is not classified.

Substances:

- **[3R-(3α,3aβ,6α,7β,8aα)]-octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene (CAS: 67874-81-1)**:

Species	:	Rat
Sex	:	Not available
Guideline	:	Not available

Subendpoint	Operator	Value	Unit
LD50:		5 000	mg/kg bw

Conclusion : Not available

- **(R)-p-mentha-1,8-diene (CAS: 5989-27-5)**:

Species : Rat
Sex : Not available
Guideline : Not available

Subendpoint	Operator	Value	Unit
LD50:		2 000	mg/kg bw

Conclusion : No adverse effect observed

• **linalool (CAS: 78-70-6)**:
Species : Mouse
Sex : Not available
Guideline : Not available

Subendpoint	Operator	Value	Unit
LD50:		2 200	mg/kg bw

Conclusion : No adverse effect observed

• **3,7-dimethylnona-1,6-dien-3-ol (CAS: 10339-55-6)**:
Species : Mouse
Sex : Not available
Guideline : Not available

Subendpoint	Operator	Value	Unit
LD50:		5 283	mg/kg bw

Conclusion : No adverse effect observed

Acute dermal toxicity:

The product is not classified.

Substances:

• **[3R-(3α,3aβ,6α,7β,8aα)]-octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene (CAS: 67874-81-1)**:
Species : Rabbit
Sex : Not available
Guideline : Not available
Exposure duration/value : Not available
Exposure duration/unit : Not available

Subendpoint	Operator	Value	Unit
LD50:		5 000	mg/kg bw

Conclusion : Not available

• **(R)-p-mentha-1,8-diene (CAS: 5989-27-5)**:

Subendpoint	Operator	Value	Unit
LD50:		5 000	mg/kg bw

Conclusion : No adverse effect observed

• **linalool (CAS: 78-70-6)**:
Species : Rabbit
Sex : Not available
Guideline : Not available
Exposure duration/value : Not available
Exposure duration/unit : Not available

Subendpoint	Operator	Value	Unit
LD50:		5 610	mg/kg bw

Conclusion : No adverse effect observed

• **3,7-dimethylnona-1,6-dien-3-ol (CAS: 10339-55-6)**:
Species : Rabbit
Sex : Not available
Guideline : Not available
Exposure duration/value : Not available
Exposure duration/unit : Not available

Subendpoint	Operator	Value	Unit
LD50:		5 000	mg/kg bw

Conclusion : No adverse effect observed

Acute inhalation toxicity:

The product is not classified.

Substances:

• **linalool (CAS: 78-70-6)**:

Species : Mouse
Sex : Not available
Guideline : Not available
Route of administration : Not available
Exposure duration/value : Not available
Exposure duration/unit : Not available

Subendpoint	Results/Sex	Operator	Value	Unit
Discriminating conc.			3.2	mg/L air

Conclusion : No adverse effect observed

Skin corrosion/irritation:
The product is not classified.

Substances:
Not available

Serious eye damage/irritation:
The product is not classified.

Substances:
Not available

Skin sensitisation:
The product is classified Skin Sens. 1B according to the referenced regulation.
May cause an allergic skin reaction.

Substances:
Not available

Specific target organ toxicity (repeated exposure):
The product is not classified.

Substances:
[3R-(3α,3aβ,6α,7β,8aα)]-octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene:
Oral route - systemic effects.
Adverse effect observed NOAEL 330 mg/kg bw/day (subacute, rat).
(R)-p-mentha-1,8-diene:
Oral route - systemic effects.
Adverse effect observed LOAEL 1 000 mg/kg bw/day (subchronic, dog).
3,7-dimethylnona-1,6-dien-3-ol:
Study data: oral.
NOAEL (rat): 117 - 200 mg/kg bw/day.
Study data: dermal.
NOAEL (rat): 250 mg/kg bw/day.
Linalool:
Oral route - systemic effects.
No adverse effect observed NOAEL 497.9 mg/kg bw/day (subchronic, rat).
Dermal route - systemic effects.
No adverse effect observed NOAEL 250 mg/kg bw/day (subchronic, rat).

Specific target organ toxicity (single exposure):
The product is not classified.

Substances:
Not available

Carcinogenicity:
The product is not classified.

Substances:
• **(R)-p-mentha-1,8-diene (CAS: 5989-27-5)**:
Test type : Not available
Species : chronic, rat
Sex : Not available
Guideline : Not available
Route of administration : oral
Exposure duration/value : Not available
Exposure duration/unit : Not available

Subendpoint	Results/Sex	Operator	Value	Unit
LOAEL			75	mg/kg bw/day

Conclusion : Adverse effect observed

Reproductive toxicity:
The product is not classified.

Substances:
• **(R)-p-mentha-1,8-diene (CAS: 5989-27-5)**:

Test type : Not available
Species : subacute, rat
Sex : Not available
Guideline : Not available
Route of administration : Not available
Exposure duration/value : Not available
Exposure duration/unit : Not available
Concentration : Not available

Subendpoint	Results/Sex	Operator	Value	Unit
NOAEL			591	mg/kg bw/day

Conclusion : Effect on developmental toxicity: No adverse effect observed

• **linalool (CAS: 78-70-6)**:

Test type : Not available
Species : subacute, rat
Sex : Not available
Guideline : Not available
Route of administration : oral
Exposure duration/value : Not available
Exposure duration/unit : Not available
Concentration : Not available

Subendpoint	Results/Sex	Operator	Value	Unit
NOAEL			365	mg/kg bw/day

Conclusion : Effect on fertility: No adverse effect observed

Test type : Not available
Species : subacute, rat
Sex : Not available
Guideline : Not available
Route of administration : oral
Exposure duration/value : Not available
Exposure duration/unit : Not available
Concentration : Not available

Subendpoint	Results/Sex	Operator	Value	Unit
NOAEL			1 000	mg/kg bw/day

Conclusion : Effect on developmental toxicity: No adverse effect observed

Germ cell mutagenicity:

The product is not classified.

Substances:

Not available

Sensitisation to the respiratory tract:

The product is not classified.

Substances:

Not available

Additional information:

Not available

11.2. Information on other hazards

Endocrine disrupting properties:

According to Regulation (EU) 2017/2100 or Regulation (EU) 2018/605, no substances are known to have endocrine disrupting properties.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Toxic to aquatic life with long lasting effects.

Substances:

Acute aquatic toxicity:

• **[3R-(3α,3aβ,6α,7β,8aα)]-octahydro-6-methoxy-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene (CAS: 67874-81-1)**:

Animals/category : Aquatic Invertebrates
Species : Not available
Test duration : 48
Unit : h
Guideline : Not available

Subendpoint	Value	Unit
EC50	480	µg/L

Remarks : Not available
Animals/category : Fish
Species : Not available
Test duration : 4
Unit : days
Guideline : Not available

Subendpoint	Value	Unit
LC50:	430	µg/L

Remarks : Not available
Animals/category : algea or cyanobacteria
Species : Not available
Test duration : Not available
Unit : Not available
Guideline : Not available

Subendpoint	Value	Unit
EC10 or NOEC	700	µg/L

Remarks : Not available
Animals/category : microorganisms
Species : Not available
Test duration : Not available
Unit : Not available
Guideline : Not available

Subendpoint	Value	Unit
EC10 or NOEC	1	g/L

Remarks : Not available

• **(R)-p-mentha-1,8-diene (CAS: 5989-27-5)**:
Animals/category : Fish
Species : Not available
Test duration : 4
Unit : days
Guideline : Not available

Subendpoint	Value	Unit
EC50	688 - 702	µg/L
LC50:	460 - 720	µg/L

Remarks : Not available
Animals/category : Aquatic Invertebrates
Species : Not available
Test duration : 48
Unit : h
Guideline : Not available

Subendpoint	Value	Unit
EC10	420	µg/L
EC50	307 - 510	µg/L

Remarks : Not available
Animals/category : Aquatic Invertebrates
Species : Not available
Test duration : 24
Unit : h
Guideline : Not available

Subendpoint	Value	Unit
EC10	450	µg/L
EC50	840	µg/L

Remarks : Not available
Animals/category : algea or cyanobacteria
Species : Not available
Test duration : Not available
Unit : Not available
Guideline : Not available

Subendpoint	Value	Unit
EC10 or NOEC	174	µg/L
EC50	320	µg/L

Remarks : Not available
Animals/category : microorganisms
Species : Not available
Test duration : Not available
Unit : Not available
Guideline : Not available

Subendpoint	Value	Unit
EC10 or NOEC	18	g/L
EC50	209	mg/L

Remarks : Not available

• **linalool (CAS: 78-70-6)**:

Animals/category : Fish
Species : Not available
Test duration : 4
Unit : days
Guideline : Not available

Subendpoint	Value	Unit
LC50:	27.8	mg/L

Remarks : Not available
Animals/category : Fish
Species : Not available
Test duration : 72
Unit : h
Guideline : Not available

Subendpoint	Value	Unit
LC50:	27.8	mg/L

Remarks : Not available
Animals/category : Fish
Species : Not available
Test duration : 48
Unit : h
Guideline : Not available

Subendpoint	Value	Unit
LC50:	27.8	mg/L

Remarks : Not available
Animals/category : Fish
Species : Not available
Test duration : 24
Unit : h
Guideline : Not available

Subendpoint	Value	Unit
LC50:	27.8	mg/L

Remarks : Not available
Animals/category : Fish
Species : Not available
Test duration : 4
Unit : days
Guideline : Not available

Subendpoint	Value	Unit
LC0:	19.9	mg/L

Remarks : Not available
Animals/category : Aquatic Invertebrates
Species : Not available
Test duration : 48
Unit : h

Guideline : Not available

Subendpoint	Value	Unit
NOEC:	25	mg/L
EC100	75	mg/L
EC50	59	mg/L

Remarks : Not available
Animals/category : Aquatic Invertebrates
Species : Not available
Test duration : 24
Unit : h
Guideline : Not available

Subendpoint	Value	Unit
EC50	71	mg/L

Remarks : Not available
Animals/category : algea or cyanobacteria
Species : Not available
Test duration : Not available
Unit : Not available
Guideline : Not available

Subendpoint	Value	Unit
EC10 or NOEC	54.3	mg/L
EC50	156.7	mg/L

Remarks : Not available
Animals/category : microorganisms
Species : Not available
Test duration : 3
Unit : h
Guideline : Not available

Subendpoint	Value	Unit
EC10	100	mg/L
EC50	100	mg/L

Remarks : Not available
Animals/category : microorganisms
Species : Not available
Test duration : 30
Unit : min
Guideline : Not available

Subendpoint	Value	Unit
EC50	100	mg/L

Remarks : Not available

• **3,7-dimethylnona-1,6-dien-3-ol (CAS: 10339-55-6)**:
Animals/category : Fish
Species : Not available
Test duration : 4
Unit : days
Guideline : Not available

Subendpoint	Value	Unit
LC50:	24	mg/L

Remarks : Not available
Animals/category : Fish
Species : Not available
Test duration : 72
Unit : h
Guideline : Not available

Subendpoint	Value	Unit
LC50:	24	mg/L

Remarks : Not available

Animals/category : Fish
Species : Not available
Test duration : 48
Unit : h
Guideline : Not available

Subendpoint	Value	Unit
LC50:	24	mg/L

Remarks : Not available
Animals/category : Fish
Species : Not available
Test duration : 24
Unit : h
Guideline : Not available

Subendpoint	Value	Unit
LC50:	24	mg/L

Remarks : Not available
Animals/category : Fish
Species : Not available
Test duration : 3
Unit : h
Guideline : Not available

Subendpoint	Value	Unit
LC50:	28	mg/L

Remarks : Not available
Animals/category : Aquatic Invertebrates
Species : Not available
Test duration : 48
Unit : h
Guideline : Not available

Subendpoint	Value	Unit
NOEC:	3.2	mg/L
EC100	58	mg/L
EC50	23	mg/L

Remarks : Not available
Animals/category : Aquatic Invertebrates
Species : Not available
Test duration : 24
Unit : h
Guideline : Not available

Subendpoint	Value	Unit
EC50	59	mg/L

Remarks : Not available
Animals/category : algea or cyanobacteria
Species : Not available
Test duration : Not available
Unit : Not available
Guideline : Not available

Subendpoint	Value	Unit
EC10 or NOEC	6.3	mg/L
EC50	25.1	mg/L

Remarks : Not available

Chronic aquatic toxicity:

• **(R)-p-mentha-1,8-diene (CAS: 5989-27-5)**:

Animals/category : Fish
Species : Not available
Guideline : Not available
Exposure duration/value : 28
Exposure duration/unit : days

Subendpoint	Value	Unit
NOEC:	80	µg/L

Remarks : Not available
Animals/category : Fish
Species : Not available
Guideline : Not available
Exposure duration/value : 8
Exposure duration/unit : days

Subendpoint	Value	Unit
LC10:	320	µg/L
EC10	370 - 670	µg/L
LOEC:	190 - 670	µg/L
NOEC:	59 - 370	µg/L

Remarks : Not available
Animals/category : Aquatic Invertebrates
Species : Not available
Guideline : Not available
Exposure duration/value : 21
Exposure duration/unit : days

Subendpoint	Value	Unit
EC50	188	µg/L
EC10	153	µg/L
LOEC:	173	µg/L
NOEC:	50 - 80	µg/L

Remarks : Not available

12.2. Persistence and degradability
The product has not been tested.

Substances:
Not available

12.3. Bioaccumulative potential
The product has not been tested.

Substances:
Not available

12.4. Mobility in soil
The product has not been tested.

Substances:
Not available

12.5. Results of PBT and vPvB assessment
In accordance with Regulation (EU) 1907/2006, [1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran, CAS: 1222-05-5, EC: 214-946-9; 1-[4-(1,1-dimethylethyl)phenyl]-3-(4-methoxyphenyl)propane-1,3-dione, CAS: 70356-09-1, EC: 274-581-6] is/are evaluated to be PBT or vPvB.

12.6. Endocrine disrupting properties
According to Regulation (EU) 2017/2100 or Regulation (EU) 2018/605, no substances are known to have endocrine disrupting properties.

12.7. Other adverse effects
Not available

Additional ecotoxicological information
Not available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods
Product/Packaging disposal:

Waste codes/waste designations according to EWC/AVV:
The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

Waste treatment options:

Appropriate disposal/Product:
Waste requiring special supervision.
Dispose of waste according to applicable legislation.
Delivery to an approved waste disposal company.

Appropriate disposal/Package:

Non-contaminated packages must be recycled or disposed of.
Contaminated packing must be completely emptied and can be reused after proper cleaning.
Packing which cannot be properly cleaned must be disposed of.
Handle contaminated packages in the same way as the substance itself.
Dispose of waste according to applicable legislation.

Remark:
For recycling, contact manufacturer.
Collect the waste separately.
Consult the appropriate authorities about waste disposal.
Do not mix with other wastes.
The waste is to be kept separate from other types of waste until its disposal.
Concerning the waste it has to be checked, whether a transport authorisation is required.

Additional information
Not available

SECTION 14: TRANSPORT INFORMATION

		Land transport (ADR/RID):	Inland waterway transport (ADN):	Sea transport (IMDG):	Air transport (ICAO-TI/IATA-DGR):
14.1	UN number:	1266	1266	1266	1266
14.2	UN proper shipping name:	PERFUMERY PRODUCTS with flammable solvents	PERFUMERY PRODUCTS with flammable solvents	PERFUMERY PRODUCTS with flammable solvents	PERFUMERY PRODUCTS with flammable solvents
14.3	Transport hazard class(es):				
	Class or Division:	3	3	3	3
	Hazard label(s):				
14.4	Packing group:	II	II	II	II

14.5. Environmental hazards
Not available

14.6. Special precautions for user
Not available

14.7. Bulk shipping according to IMO instruments
Not available

Additional information

Not available SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
This SDS has been established in accordance with REACH regulation, including its amendments: REACH Regulation (EC) No 1907/2006.
This SDS has been established in accordance with CLP regulation, including its amendments: CLP Regulation EC No. 1272/2008.

EU legislation:

CLP: Harmonised classification and labelling of hazardous substances (Annex VI, table 3.1)_ATP 17:

Substance	CAS	EC
(R)-p-mentha-1,8-diene	5989-27-5	227-813-5

Directive n°648/2004 (Allergenic fragrance ingredients N°1223/2009):

Substance	CAS	EC
(R)-p-mentha-1,8-diene	5989-27-5	227-813-5
linalool	78-70-6	201-134-4
citronellol	106-22-9	203-375-0
coumarin	91-64-5	202-086-7
citral	5392-40-5	226-394-6

REACH: Annex XVII (Restrictions):

Substance	CAS	EC
(R)-p-mentha-1,8-diene	5989-27-5	227-813-5

National regulations:

Occupational Exposure Limit Values (long term) - Canada (Ontario):

Substance	CAS	EC
pin-2(10)-ene	127-91-3	204-872-5
pin-2(3)-ene	80-56-8	201-291-9
citral	5392-40-5	226-394-6

Occupational Exposure Limit Values (long term) - Germany (DFG):

Substance	CAS	EC
(R)-p-mentha-1,8-diene	5989-27-5	227-813-5

U.S. - NY - RTK:

Substance	CAS	EC
pin-2(3)-ene	80-56-8	201-291-9

15.2. Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

Additional information

Not available

SECTION 16: OTHER INFORMATION

Indication of changes

Not applicable (first edition of the MSDS).

Abbreviations and acronyms

CAS: Chemical Abstract Service Number.
IATA: International Air Transport Association.
IMDG: International Maritime Dangerous Goods Code.
DPD Dangerous Preparation Directive.
UN number: United Nations number.
No EC: European Commission Number.
ADN/ADNR: Regulations concerning the transport of dangerous substances in barges on the waterways.
ADR/RID: European Agreement concerning the International Carriage of Dangerous Goods by Road/Regulations concerning the international carriage of dangerous goods by rail.
CLP: Classification, labeling and packaging.
VPvB: very persistent and very bioaccumulative substances.

Key literature references and sources for data

No data available.

Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]

Complies with ATP 18, Regulation (EU) n°2022/692.
Classification of the mixture is in accordance with the evaluation method described in Regulation (EC) No 1272/2008.

Relevant R-, H- and EUH-phrases (Number and full text)

H225	Flam. Liq. 2	Highly flammable liquid and vapour.
H226	Flam. Liq. 3	Flammable liquid and vapour.
H301	Acute Tox. 3 ORAL	Toxic if swallowed.
H302	Acute Tox. 4 ORAL	Harmful if swallowed
H304	Asp. Tox. 1	May be fatal if swallowed and enters airways.
H312	Acute Tox. 4 DERMAL	Harmful in contact with skin.
H315	Skin Irrit. 2	Causes skin irritation.
H317	Skin Sens. 1B	May cause an allergic skin reaction.
H319	Eye Irrit. 2	Causes serious eye irritation
H330	Acute Tox. 2 INHALATION	Fatal if inhaled.
H336	STOT SE 3 H336	May cause drowsiness or dizziness
H361	Repr. 2	Suspected of damaging fertility or the unborn child.
H373	STOT RE 2	May cause damage to organs through prolonged or repeated exposure
H400	Aquatic Acute 1	Very toxic to aquatic life.
H410	Aquatic Chronic 1	Very toxic to aquatic life with long lasting effects.
H411	Aquatic Chronic 2	Toxic to aquatic life with long lasting effects.
H412	Aquatic Chronic 3	Harmful to aquatic life with long lasting effects

Training advice

Refer to Sections 4, 5, 6, 7 and 8 of this safety data sheet.

Additional information

Creation date: 15/06/2023
Version date: 15/06/2023
Printing date: 15/06/2023

The information given in this Safety Data Sheet is based on our present knowledge and on European and national regulations.This Safety Data Sheet describes safety requirements relative to identified uses, it doesn't guarantee all the product properties particularly in the case of non identified uses.The product mustn't be used for any uses other than those identified under heading 1.Since the user's working conditions are not known by us, it is the responsability of the user to take all necessary measures to comply with legal requirements for

specific uses and avoid negative health effects.