SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 2020/878)

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

1.1. Product identifier

Product name : CHESTER

Product code : FD1010D

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

Product reserved for professional use in the perfumery industry

1.3. Details of the supplier of the safety data sheet

Registered company name : SFA NEROLI SAS.

Address : Parc d'activités les Hauts de Grasse - 221 allée des Aromes 06530 SAINT CEZAIRE SUR SIAGNE FRANCE

Telephone : + 33 (0)4.93.40.22.22 Fax :

legislation@sfa-romani.com

1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

Association/Organisation : INRS / ORFILA.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments.

Skin sensitisation, Category 1 (Skin Sens. 1, H317).

Hazardous to the aquatic environment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411).

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

2.2. Label elements

In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms :

GHS07

GHS09

Signal Word :

WARNING

Product identifiers :

EC 259-174-3	1-(1,2,3,4,5,6,7,8-OCTAHYDRO-2,3,8,8-TETRAMETHYL-2-NAPHTHALENYL)ETHANONE
EC 201-134-4	LINALOOL
EC 214-881-6	ALPHA-METHYL-1,3-BENZODIOXOLE-5-PROPIONALDEHYDE
EC 203-375-0	DL-CITRONELLOL
EC 204-116-4	LINALYL ACETATE
EC 203-354-6	OMEGA-PENTADECALACTONE
EC 202-983-3	ALPHA-HEXYLCINNAMALDEHYDE
EC 233-732-6	3,7-DIMETHYL-1,6-NONADIEN-3-OL
EC 203-341-5	GERANYL ACETATE
601-096-00-2	(R)-P-MENTHA-1,8-DIENE
EC 226-749-5	4-METHOXY-ALPHA-METHYLBENZENEPROPANAL
EC 242-016-2	P-TERT-BUTYLDIHYDROCINNAMALDEHYDE
EC 249-120-7	OXACYCLOHEPTADEC-10-ENE-2-ONE

EC 283-718-9	P-METHYL-ALPHA-AMYL CINNAMIC ALDEHYDE
EC 245-833-2	1-(2,6,6-TRIMETHYLCYCLOHEXA-1,3-DIENYL)-2-BUTEN-1-ONE
EC 260-709-8	DELTA-1-(2,6,6-TRIMETHYL-3-CYCLOHEXEN-1-YL)-2-BUTEN-1-ONE
EC 203-213-9	CINNAMALDEHYDE

Additional labeling :

Hazard statements :

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

Precautionary statements - Prevention :

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/ ...

Precautionary statements - Response :

P302 + P352	IF ON SKIN: Wash with plenty of water/...
P321	Specific treatment (see ... on this label).
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P391	Collect spillage.

Precautionary statements - Disposal :

P501	Dispose of contents/container to ...

2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) >= 0.1% published by the European CHemicals Agency (ECHA) under article 59 of REACH: http://echa.europa.eu/fr/candidate-list-table

The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

The mixture does not contain substances> = 0.1% with endocrine disrupting properties in accordance with the criteria of the Delegated Regulation (EU) 2017/2100 of the Commission or Regulation (EU) 2018/605 of the Commission.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Composition :

Identification	Classification (EC) 1272/2008	Note	%
CAS: 88-41-5 EC: 201-828-7 2-TERT-BUTYLCYCLOHEXYL ACETATE	GHS09 Wng Aquatic Chronic 2, H411		2.5 <= x % < 10
INDEX: 603-101-00-3 EC: 405-040-6 TETRAHYDRO-2-ISOBUTYL-4-METHYLPYRAN-4-OL, MIXED ISOMERS (CIS AND TRANS)	GHS07 Wng Eye Irrit. 2, H319		2.5 <= x % < 10
INDEX: 603-212-00-7 CAS: 1222-05-5 EC: 214-946-9 1,3,4,6,7,8-HEXAHYDRO-4,6,6,7,8,8-HEXAMETHYLINDENO[5,6-C]PYRAN	GHS09 Wng Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1		2.5 <= x % < 10
CAS: 54464-57-2 EC: 259-174-3 1-(1,2,3,4,5,6,7,8-OCTAHYDRO-2,3,8,8-TETRAMETHYL-2-NAPHTHALENYL)ETHANONE	GHS07, GHS09 Wng Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Chronic 1, H410 M Chronic = 1		2.5 <= x % < 10

CAS: 78-70-6 EC: 201-134-4 LINALOOL	GHS07 Wng Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319		0 <= x % < 2.5
CAS: 1205-17-0 EC: 214-881-6 ALPHA-METHYL-1,3-BENZODIOXOLE-5-PROPIONALDEHYDE	GHS07, GHS08, GHS09 Wng Skin Sens. 1B, H317 Repr. 2, H361 Aquatic Chronic 2, H411	[ii]	0 <= x % < 2.5
CAS: 106-22-9 EC: 203-375-0 DL-CITRONELLOL	GHS07 Wng Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319		0 <= x % < 2.5
CAS: 115-95-7 EC: 204-116-4 LINALYL ACETATE	GHS07 Wng Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319		0 <= x % < 2.5
CAS: 106-02-5 EC: 203-354-6 OMEGA-PENTADECALACTONE	GHS07, GHS09 Wng Skin Sens. 1B, H317 Aquatic Chronic 2, H411		0 <= x % < 2.5
CAS: 101-86-0 EC: 202-983-3 ALPHA-HEXYLCINNAMALDEHYDE	GHS07, GHS09 Wng Skin Sens. 1B, H317 Aquatic Chronic 2, H411 Aquatic Acute 1, H400 M Acute = 1		0 <= x % < 2.5
CAS: 10339-55-6 EC: 233-732-6 REACH: 01-2119969272-32 3,7-DIMETHYL-1,6-NONADIEN-3-OL	GHS07 Wng Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319		0 <= x % < 2.5
CAS: 105-87-3 EC: 203-341-5 GERANYL ACETATE	GHS07 Wng Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Chronic 3, H412		0 <= x % < 2.5
INDEX: 601-096-00-2 CAS: 5989-27-5 EC: 227-813-5 (R)-P-MENTHA-1,8-DIENE	GHS02, GHS07, GHS08, GHS09 Dgr Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Chronic 3, H412 Aquatic Acute 1, H400 M Acute = 1	[i]	0 <= x % < 2.5
CAS: 1506-02-1 EC: 216-133-4 1-(5,6,7,8-TETRAHYDRO-3,5,5,6,8,8-HEXAMETHYL-2-NAPHTHYL)ETHAN-1-ONE (FIXOLID)	GHS07, GHS09 Wng Acute Tox. 4, H302 Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1		0 <= x % < 2.5
INDEX: 603-150-00-0	GHS07, GHS09		0 <= x % < 2.5

CAS: 107898-54-4 EC: 411-580-3 (±) TRANS-3,3-DIMETHYL-5-(2,2,3-TRIMETHYL-CYCLOPENT-3-EN-1-YL)-PENT-4-EN-2-OL	Wng Skin Irrit. 2, H315 Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1		
CAS: 28219-60-5 EC: 248-907-2 REACH: 01-2120273309-51 2-METHYL-4-(2,2,3-TRIMETHYL-3-CYCLOPENTEN-1-YL)-2-BUTEN-1-OL	GHS07, GHS09 Wng Eye Irrit. 2, H319 Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1		0 <= x % < 2.5
CAS: 5462-06-6 EC: 226-749-5 4-METHOXY-ALPHA-METHYLBENZENEPROPANAL	GHS07 Wng Skin Sens. 1B, H317		0 <= x % < 2.5
CAS: 18127-01-0 EC: 242-016-2 REACH: 01-2119983533-30 P-TERT-BUTYLDIHYDROCINNAMALDEHYDE	GHS07, GHS08 Wng Skin Irrit. 2, H315 Skin Sens. 1B, H317 STOT RE 2, H373 Aquatic Chronic 3, H412		0 <= x % < 2.5
CAS: 28645-51-4 EC: 249-120-7 REACH: 01-2120768557-38 OXACYCLOHEPTADEC-10-ENE-2-ONE	GHS09, GHS07 Wng Skin Sens. 1B, H317 Aquatic Acute 1, H400 M Acute = 1		0 <= x % < 2.5
REACTION MASS OF ALLYL (2-METHYLBUTOXY)ACETATE AND ALLYL (3-METHYLBUTOXY)ACETATE	GHS06, GHS09, GHS08 Dgr Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 2, H330 STOT RE 2, H373 Aquatic Acute 1, H400 M Acute = 1		0 <= x % < 2.5
CAS: 84697-09-6 EC: 283-718-9 P-METHYL-ALPHA-AMYL CINNAMIC ALDEHYDE	GHS07, GHS09 Wng Skin Sens. 1B, H317 Aquatic Chronic 2, H411 Aquatic Acute 1, H400 M Acute = 1		0 <= x % < 2.5
CAS: 23696-85-7 EC: 245-833-2 1-(2,6,6-TRIMETHYLCYCLOHEXA-1,3-DIENYL)-2-BUTEN-1-ONE	GHS07, GHS09 Wng Skin Irrit. 2, H315 Skin Sens. 1A, H317 Aquatic Chronic 2, H411		0 <= x % < 2.5
CAS: 57378-68-4 EC: 260-709-8 DELTA-1-(2,6,6-TRIMETHYL-3-CYCLOHEXEN-1-YL)-2-BUTEN-1-ONE	GHS07, GHS09 Wng Acute Tox. 4, H302 Skin Irrit. 2, H315 Skin Sens. 1A, H317 Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1		0 <= x % < 2.5
CAS: 104-55-2 EC: 203-213-9	GHS07 Wng		0 <= x % < 2.5

CINNAMALDEHYDE	Skin Irrit. 2, H315 Skin Sens. 1A, H317 Eye Irrit. 2, H319 Aquatic Chronic 3, H412		

Specific concentration limits:

Identification	Specific concentration limits	ATE
CAS: 88-41-5 EC: 201-828-7 2-TERT-BUTYLCYCLOHEXYL ACETATE		oral: ATE = 4600 mg/kg BW
CAS: 78-70-6 EC: 201-134-4 LINALOOL		oral: ATE = 2790 mg/kg BW
CAS: 1205-17-0 EC: 214-881-6 ALPHA-METHYL-1,3-BENZODIOXOLE-5-PROPIONALDEHYDE		oral: ATE = 3562 mg/kg BW
CAS: 106-22-9 EC: 203-375-0 DL-CITRONELLOL		dermal: ATE = 2650 mg/kg BW oral: ATE = 3450 mg/kg BW
CAS: 101-86-0 EC: 202-983-3 ALPHA-HEXYLCINNAMALDEHYDE		oral: ATE = 3100 mg/kg BW
CAS: 10339-55-6 EC: 233-732-6 REACH: 01-2119969272-32 3,7-DIMETHYL-1,6-NONADIEN-3-OL		oral: ATE = 5000 mg/kg BW
CAS: 1506-02-1 EC: 216-133-4 1-(5,6,7,8-TETRAHYDRO-3,5,5,6,8,8-HEXAMETHYL-2-NAPHTHYL)ETHAN-1-ONE (FIXOLID)		oral: ATE = 1000 mg/kg BW
CAS: 5462-06-6 EC: 226-749-5 4-METHOXY-ALPHA-METHYLBENZENEPROPANAL		oral: ATE = 4000 mg/kg BW
CAS: 18127-01-0 EC: 242-016-2 REACH: 01-2119983533-30 P-TERT-BUTYLDIHYDROCINNAMALDEHYDE		oral: ATE = 2660 mg/kg BW
REACTION MASS OF ALLYL (2-METHYLBUTOXY)ACETATE AND ALLYL (3-METHYLBUTOXY)ACETATE		inhalation: ATE = 0.46 mg/l 4h (dust/mist) dermal: ATE = 1100 mg/kg BW oral: ATE = 500 mg/kg BW
CAS: 23696-85-7 EC: 245-833-2 1-(2,6,6-TRIMETHYLCYCLOHEXA-1,3-DIENYL)-2-BUTEN-1-ONE		dermal: ATE = 2900 mg/kg BW
CAS: 57378-68-4 EC: 260-709-8 DELTA-1-(2,6,6-TRIMETHYL-3-CYCLOHEXEN-1-YL)-2-BUTEN-1-ONE		oral: ATE = 1400 mg/kg BW
CAS: 104-55-2 EC: 203-213-9 CINNAMALDEHYDE	Skin Sens. 1A: H317 C>= 0.01%	oral: ATE = 2220 mg/kg BW

Information on ingredients :

(Full text of H-phrases: see section 16)

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

[ii] Carcinogenic, mutagenic or reprotoxic (CMR) substance.

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. description of first aid measures

In the event of splashes or contact with eyes :

Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.

In the event of splashes or contact with skin :

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.

Watch out for any remaining product between skin and clothing, watches, shoes, etc.

In the event of an allergic reaction, seek medical attention.

If the contaminated aera is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing :

Do not give the patient anything orally.

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Keep the person exposed at rest. Do not force vomiting.

Seek medical attention immediately, showing the label.

If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.

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

No data available.

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

No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

Suitable methods of extinction

In the event of a fire, use :

- sprayed water or water mist
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO2)

Unsuitable methods of extinction

In the event of a fire, do not use :

- water jet

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO2)

5.3. Advice for firefighters

No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non first aid worker

Avoid any contact with the skin and eyes.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Ensure that there is adequate ventilation, especially in confined areas.

Fire prevention :

Handle in well-ventilated areas.

Prevent access by unauthorised personnel.

Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Packages which have been opened must be reclosed carefully and stored in an upright position.

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Storage

Keep the container tightly closed in a dry, well-ventilated place.

The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No data available.

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :

Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles in accordance with standard ISO 16321.

- Hand protection

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN ISO 374-1.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Type of gloves recommended :

- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))

- Body protection

Avoid skin contact.

Wear suitable protective clothing.

Suitable type of protective clothing :

In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605/A1 to prevent skin contact.

In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034/A1 to prevent skin contact.

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state

Physical state :	Fluid liquid.

Colour

Color : COLORLESS

Odour

Odour threshold :	Not stated.

Melting point

Melting point/melting range :	Not specified.

Freezing point

Freezing point / Freezing range :	Not stated.

Boiling point or initial boiling point and boiling range

Boiling point/boiling range :	Not specified.

Flammability

Flammability (solid, gas) :	Not stated.

Lower and upper explosion limit

Explosive properties, lower explosivity limit (%) :	Not stated.
Explosive properties, upper explosivity limit (%) :	Not stated.

Flash point

Flash Point Interval :	60°C < FP <= 93°C

Auto-ignition temperature

Self-ignition temperature :	Not specified.

Decomposition temperature

Decomposition point/decomposition range :	Not specified.

pH

pH :	Not relevant.
pH (aqueous solution) :	Not stated.

Kinematic viscosity

Viscosity :	Not stated.
Viscosity:	v < 7 mm2/s (40°C)

Solubility

Water solubility :	Insoluble.
Fat solubility :	Not stated.

Partition coefficient n-octanol/water (log value)

Partition coefficient: n-octanol/water :	Not stated.

Vapour pressure

Vapour pressure (50°C) :	Below 110 kPa (1.10 bar).

Density and/or relative density

Density :	0.98-1.03@20°C

Relative vapour density

Vapour density :	Not stated.

Particle characteristics

The mixture does not contain nanoforms.

9.2. Other information

Index of refraction :	1.453-1.459@20°C

9.2.1. Information with regard to physical hazard classes

No data available.

9.2.2. Other safety characteristics

No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11 : TOXICOLOGICAL INFORMATION

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

Splashes in the eyes may cause irritation and reversible damage

May cause an allergic reaction by skin contact.

11.1.1. Substances

Acute toxicity :

1-(2,6,6-TRIMETHYLCYCLOHEXA-1,3-DIENYL)-2-BUTEN-1-ONE (CAS: 23696-85-7)

Dermal route :	LD50 = 2900 mg/kg bodyweight/day

CINNAMALDEHYDE (CAS: 104-55-2)

Oral route :	LD50 = 2220 mg/kg bodyweight/day

DELTA-1-(2,6,6-TRIMETHYL-3-CYCLOHEXEN-1-YL)-2-BUTEN-1-ONE (CAS: 57378-68-4)

Oral route :	LD50 = 1400 mg/kg bodyweight/day

REACTION MASS OF ALLYL (2-METHYLBUTOXY)ACETATE AND ALLYL (3-METHYLBUTOXY)ACETATE

Oral route :	LD50 = 500 mg/kg bodyweight/day
Dermal route :	LD50 = 1100 mg/kg bodyweight/day
Inhalation route (Dusts/mist) :	LC50 = 0.46 mg/l Duration of exposure : 4 h

P-TERT-BUTYLDIHYDROCINNAMALDEHYDE (CAS: 18127-01-0)

Oral route :	LD50 = 2660 mg/kg bodyweight/day

4-METHOXY-ALPHA-METHYLBENZENEPROPANAL (CAS: 5462-06-6)

Oral route :	LD50 = 4000 mg/kg bodyweight/day

1-(5,6,7,8-TETRAHYDRO-3,5,5,6,8,8-HEXAMETHYL-2-NAPHTHYL)ETHAN-1-ONE (FIXOLID) (CAS: 1506-02-1)

Oral route :	LD50 = 1000 mg/kg bodyweight/day

3,7-DIMETHYL-1,6-NONADIEN-3-OL (CAS: 10339-55-6)

Oral route :	LD50 = 5000 mg/kg bodyweight/day

ALPHA-HEXYLCINNAMALDEHYDE (CAS: 101-86-0)

Oral route :	LD50 = 3100 mg/kg bodyweight/day

DL-CITRONELLOL (CAS: 106-22-9)

Oral route :	LD50 = 3450 mg/kg bodyweight/day
Dermal route :	LD50 = 2650 mg/kg bodyweight/day

ALPHA-METHYL-1,3-BENZODIOXOLE-5-PROPIONALDEHYDE (CAS: 1205-17-0)

Oral route :	LD50 = 3562 mg/kg bodyweight/day

LINALOOL (CAS: 78-70-6)

Oral route :	LD50 = 2790 mg/kg bodyweight/day

2-TERT-BUTYLCYCLOHEXYL ACETATE (CAS: 88-41-5)

Oral route :	LD50 = 4600 mg/kg bodyweight/day

11.1.2. Mixture

No toxicological data available for the mixture.

11.2. Information on other hazards

Endocrine disrupting properties

The mixture does not contain any substance evaluated as an endocrine disruptor with effects on human health.

Monograph(s) from the IARC (International Agency for Research on Cancer) :

CAS 108-88-3 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

CAS 94-59-7 : IARC Group 2B : The agent is possibly carcinogenic to humans.

CAS 128-37-0 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

CAS 64-17-5 : IARC Group 1 : The agent is carcinogenic to humans.

CAS 97-53-0 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

CAS 123-35-3 : IARC Group 2B : The agent is possibly carcinogenic to humans.

CAS 140-11-4 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

CAS 5989-27-5 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

SECTION 12 : ECOLOGICAL INFORMATION

Toxic to aquatic life with long lasting effects.

The product must not be allowed to run into drains or waterways.

12.1. Toxicity

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

12.2.1. Substances

OXACYCLOHEPTADEC-10-ENE-2-ONE (CAS: 28645-51-4)

Biodegradability : Rapidly degradable.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Endocrine disrupting properties

The mixture does not contain any substance evaluated as an endocrine disruptor with environmental effects.

12.7. Other adverse effects

No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2023 - IMDG 2022 [41-22] - ICAO/IATA 2024 [65]).

14.1. UN number or ID number

3082

14.2. UN proper shipping name

UN3082=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)

- Classification :

9

14.4. Packing group

III

14.5. Environmental hazards

- Environmentally hazardous material :

14.6. Special precautions for user

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	9	M6	III	9	90	5 L	274 335 375 601	E1	3	-
	Not subject to this regulation if Q <= 5 l / 5 kg (ADR 3.3.1 - DS 375)									
IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ	Stowage Handling	Segregation	
	9	-	III	5 L	F-A. S-F	274 335 969	E1	Category A	-	
	Not subject to this regulation if Q <= 5 l / 5 kg (IMDG 3.3.1 - 2.10.2.7)									
IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ	
	9	-	III	964	450 L	964	450 L	A97 A158 A197 A215	E1	
	9	-	III	Y964	30 kg G	-	-	A97 A158	E1	

								A197 A215		
	Not subject to this regulation if Q <= 5 l / 5 kg (IATA 4.4.4 - DS A197)									

For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.

For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.

Marine pollutant (IMDG 3.1.2.9):(1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran)

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15 : REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Classification and labelling information included in section 2:

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2023/707.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 2024/197. (ATP 21)

Container information:

No data available.

Restrictions applied under Title VIII of Regulation (EC) No. 1907/2006 (REACH):

The mixture does not contain any substance restricted under Annex XVII of Regulation (EC) No. 1907/2006 (REACH): https://echa.europa.eu/substances-restricted-under-reach.

Explosives precursors :

The mixture does not contain any substance subject to Regulation (EU) 2019/1148 on the marketing and use of explosives precursors.

Particular provisions :

No data available.

15.2. Chemical safety assessment

No data available.

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Wording of the phrases mentioned in section 3 :

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.

H361	Suspected of damaging fertility or the unborn child .
H373	May cause damage to organs through prolonged or repeated exposure .
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.

Abbreviations and acronyms :

LD50 : The dose of a test substance resulting in 50% lethality in a given time period.
LC50 : The concentration of a test substance resulting in 50% lethality in a given period.
REACH : Registration, Evaluation, Authorization and Restriction of Chemical Substances.
ATE : Acute Toxicity Estimate
BW : Body Weight
CMR: Carcinogenic, mutagenic or reprotoxic.
STEL : Short-term exposure limit
TWA : Time Weighted Averages
TMP : French Occupational Illness table
TLV : Threshold Limit Value (exposure)
AEV : Average Exposure Value.
ADR : European agreement concerning the international carriage of dangerous goods by Road.
IMDG : International Maritime Dangerous Goods.
IATA : International Air Transport Association.
ICAO : International Civil Aviation Organisation
RID : Regulations concerning the International carriage of Dangerous goods by rail.
WGK : Wassergefahrdungsklasse (Water Hazard Class).
GHS07 : Exclamation mark
GHS09 : Environment
PBT: Persistent, bioaccumulable and toxic.
vPvB : Very persistent, very bioaccumulable.
SVHC : Substances of very high concern.