

# SAFETY DATA SHEET

Printed : 26/01/2023

Revised : COMPO\_CLIENT-1-CLP from  
26/01/2023

## GARDENIA & TUBEROSE

### 1. IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF THE COMPANY

#### 1.1. Product identifier

GARDENIA & TUBEROSE

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

Fragrance compound only for industrial and/or professional use.

#### 1.3. Details of the supplier of the safety data sheet

#### 1.4. Emergency telephone number

24h-Number ORFILA (INRS) : +33 (0)1.45.42.59.59

### 2. HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

##### GHS Classification :

(RegulationCLP)

ED12 Serious eye damage / eye irritation 2

EHA1 Hazardous to the aquatic environment, acute hazard 1

EHC2 Hazardous to the aquatic environment, long-term hazard 2

SS1 Sensitisation skin 1

H317 - May cause an allergic skin reaction.

H319 - Causes serious eye irritation.

H400 - Very toxic to aquatic life.

H411 - Toxic to aquatic life with long lasting effects.

#### 2.2. Label elements

##### GHS Classification :

(RegulationCLP)

Warning mention : Warning

ED12 Serious eye damage / eye irritation 2

EHA1 Hazardous to the aquatic environment, acute hazard 1

EHC2 Hazardous to the aquatic environment, long-term hazard 2

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H411 - Toxic to aquatic life with long lasting effects.

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 - Wash thoroughly after handling.

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.

P302+P352 - IF ON SKIN: Wash with plenty of soap and water.



## 2.3. Other hazards

The mixture does not contain substances included in the candidate list substances subject to authorization.

- Article 59, paragraph 1 of Regulation (EC) 1907/2006.

The mixture does not contain PBT or vPvB substances as defined in annex XIII of Regulation 253/2011/EC amending Regulation 1097/2006/EC.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

### 3.1. Substances

Does not apply to the product which is a mixture.

### 3.2. Mixtures

Numé ro d'identification	Substance	Classes danger & Phrases H	LCS / Facteurs M / ATE	Percent %
CAS# 120-51-4 EINECS# 204-402-9	Benzyl benzoate	ATO4, EHA1, EHC2 H302, H400, H411	ATE (Orale) : 1500.015mg/kg	46.2
CAS# 101-86-0 EINECS# 202-983-3	Hexyl cinnamal	EHA1, EHC2, SS1B H400, H411, H317		6.0
CAS# 63500-71-0 EINECS# 405-040-6	2-Isobutyl-4-methyltetrahydro-2H-pyran-4-ol	EDI2 H319		4.2
CAS# 6259-76-3 EINECS# 228-408-6	Hexyl salicylate	EHA1, EHC1, SS1B H400, H410, H317		3.7
CAS# 78-70-6 EINECS# 201-134-4	Linalool	EDI2, SCI2, SS1B H319, H315, H317		3.0
CAS# 54464-57-2	Tetramethylacetyloctahydronaphthalenes	EHC1, SCI2, SS1B H410, H315, H317		3.0
CAS# 140-11-4 EINECS# 205-399-7	Benzyl acetate	EHC3 H412		2.4
CAS# 118-58-1 EINECS# 204-262-9	Benzyl salicylate	EHC3, SS1B H412, H317		2.4
CAS# 60-12-8 EINECS# 200-456-2	Phenethyl alcohol	ATO4, EDI2 H302, H319	ATE (Orale) : 1610.021mg/kg	2.4
CAS# 1222-05-5 EINECS# 214-946-9	Hexamethylindano-pyran	EHA1, EHC1 H400, H410		1.2
CAS# 107-75-5 EINECS# 203-518-7	Hydroxycitronellal	EDI2, SS1B H319, H317		1.2
CAS# 106-24-1 EINECS# 203-377-1	Geraniol	EDI1, SCI2, SS1 H318, H315, H317		0.9
CAS# 97-53-0 EINECS# 202-589-1	Eugenol	EDI2, SS1B H319, H317		0.7
CAS# 58567-11-6 EINECS# 261-332-1	(Ethoxy-methoxy)cyclododecane	EHC2, SCI2, SS1B H411, H315, H317		0.6

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CAS# 106-22-9 EINECS# 203-375-0	Citronellol	EDI2, SCI2, SS1B H319, H315, H317		0.6
CAS# 106-02-5 EINECS# 203-354-6	Cyclopentadecanolide	EHC2, SS1B H411, H317		0.5
CAS# 107898-54-4	3,3-Dimethyl-5-(2,2,3-trimethyl-3-cyclopenten-1-yl)-4-penten-2-ol	EHA1, EHC1, SCI2 H400, H410, H315		0.5
CAS# 13828-37-0 EINECS# 237-539-8	cis-4-(Isopropyl)cyclohexanemethanol	SCI2, SS1B H315, H317		0.5
CAS# 67634-15-5 EINECS# 266-819-2	Alpha, alpha-dimethyl-p-ethylphenylpropanal	EHA1, EHC2, SCI2, SS1B H400, H411, H315, H317		0.3
CAS# 103-95-7 EINECS# 203-161-7	2-Methyl-3-(p-isopropylphenyl)propionaldehyde	EHC3, SCI2, SS1B H412, H315, H317		0.3
CAS# 71048-82-3	[1.alpha.(E),2.beta.]-1-(2,6,6-Trimethyl-3-cyclohexen-1-yl)-2-buten-1-one	ATO4, EHA1, EHC1, SCI2, SS1A H302, H400, H410, H315, H317	ATE (Orale) : 1400.011mg/kg	0.3
CAS# 93-16-3 EINECS# 202-224-6	Isoeugenyl methyl ether	SS1B H317		0.2
CAS# 25152-85-6 EINECS# 246-669-4	cis-3-Hexenyl benzoate	EHC2, SS1B H411, H317		0.2
CAS# 70788-30-6 EINECS# 274-892-7	1-(2,2,6-Trimethylcyclohexyl)-3-hexanol	SS1B H317		0.1
CAS# 120-57-0 EINECS# 204-409-7	Piperonal	SS1B H317		0.1
CAS# 97-54-1 EINECS# 202-590-7	Isoeugenol	ATD4, AT14, ATO4, EDI2, SCI2, SS1A, STO-SE3-RI H312, H332, H302, H319, H315, H317, H335	ATE (Dermale) : 1912.009mg/kg ATE (Orale) : 1500mg/kg ATE (Inhalation) : 1.5mg/L	0.1
CAS# 111-80-8 EINECS# 203-909-2	Methyl 2-nonynoate	ATO4, EHA1, EHC3, SCI2, SS1A H302, H400, H412, H315, H317	ATE (Orale) : 1600mg/kg	0.0

## 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

**General information:** As in all cases of potential poisoning, obtain medical advice immediately.

**Contact with skin:** Remove contaminated clothes, and use then only after contamination. Wash with large volume of water and soap. Rinse with clear water. If irritation persists, obtain medical advice.

**Contact with eyes:** Irrigate with water for at least 15 minutes. Obtain medical advice if irritation persists.

**In case of ingestion:** Rinse mouth with water. Do not induce vomiting. Obtain medical advice immediately.

**In case of inhalation:** Immediately move from the area to a fresh air and keep at rest. Obtain medical advice immediately.

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

No information available on the product itself.

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

No specific data.

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## 5. FIRE FIGHTING MEASURES

### 5.1. Extinguishing media

CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

### 5.2. Special hazards of the mixture

**Flammability :** The product is not flammable.

**Pré vention:** Do not smoke. Do not use flame near.

### 5.3. Advice for firefighters

Never use a direct water jet.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

Use individual protective equipment (waterproof boots, suitable protective clothing, and safety glasses). Prevent any contact with hot surfaces. Do not approach facing the wind. Ensure adequate ventilation. Do not breathe vapour/spray.

### 6.2. Environmental precautions

Do not allow to enter sewers/surface or ground water.

### 6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

## 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Advice on safe handling: Avoid excessive inhalation of concentrated vapors. Follow good manufacturing practices for housekeeping and personal hygiene. Wash any exposed skin immediately after any chemical contact, before breaks and meals, and at the end of each work period. Contaminated clothing and shoes should be thoroughly cleaned before re-use.

If appropriate, procedures used during the handling of this material should also be used when cleaning equipment or removing residual chemicals from tanks or other containers, especially when steam or hot water is used, as this may increase vapor concentrations in the workplace air. Where chemicals are openly handled, access should be restricted to properly trained employees.

Keep all heated processes at the lowest necessary temperature in order to minimize emissions of volatile chemicals into the air.

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Advice on protection against fire and explosion: Keep away from ignition sources and naked flame. Close packing after use. Reproduce labelling if transfer in another container.

## 7.2. Conditions for safe storage, including any incompatibilities

- Avoid any useless exposure. Keep away from food and drinks.
- Preserve only in the container of origin in a fresh place and broken down well. Keep the containers closed out of their use.
- Do not leave it near heat source, direct rays of the sun

## 7.3. Specific end use(s)

No specific data.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1. Control parameters

NO CONCERNED

### 8.2. Exposure controls

**General protective and hygienic measures** : Avoid skin and eyes contact. Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work.

**Eye and face protection** : Use tight-fitting goggles, face shield or safety glasses with side shields in case of eye contact.

**Skin protection** : Wear appropriate dust resistant clothing. Avoid skin contact. Use chemically resistant gloves.

**Respiratory protection** : In case of insufficient ventilation, use suitable respiratory equipment.

**Environmental exposure controls** : Prevent from entering sewers, basements and workpans, or any place where its accumulation can be dangerous.

**Consumer exposure controls** : Avoid breathing directly on the product. Apply local ventilations when appropriate. Wash hands with soap and water after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

NO CONCERNED

### 9.2. Other information

NO CONCERNED

## 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

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No dangerous reactions known.

## 10.2. Chemical stability

Stable under recommended storage conditions.

## 10.3. Possibility of hazardous reactions

No hazardous reactions known.

## 10.4. Conditions to avoid

Avoid excessive heat for prolonged periods of time.  
Avoid contact with oxidizing agents.

## 10.5. Incompatible materials

Unknown

## 10.6. Hazardous decomposition products

**Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.  
**Dangerous decomposition products:** Carbon monoxide and unidentified organic compounds may be formed during combustion.

## 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

**Toxicological Information :** No experimental data available.

#### **Informations on Acute Toxicity (DL50):**

- **Oral**

2 516.99 (Calculated)

- **Inhalation**

Not determined

- **Skin**

Not classified

#### 11.1.1. Substances

Benzyl benzoate

ETAO : 1 500.02 mg/kg(Calculated)    ETAC : 4 000.00 mg/kg(Calculated)    ETAI : Not determined

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## Hexyl cinnamal

ETAO : 3 100.01 mg/kg(Calculated) ETAC : Not determined ETAI : Not determined

## Linalool

ETAO : 2 790.02 mg/kg(Calculated) ETAC : Not determined ETAI : Not determined

## Benzyl acetate

ETAO : 2 490.04 mg/kg(Calculated) ETAC : Not determined ETAI : Not determined

## Benzyl salicylate

ETAO : 2 200.03 mg/kg(Calculated) ETAC : Not determined ETAI : Not determined

## Phenethyl alcohol

ETAO : 1 610.02 mg/kg(Calculated) ETAC : 2 500.00 mg/kg(Estimated) ETAI : Not determined

## Geraniol

ETAO : 3 600.10 mg/kg(Calculated) ETAC : Not determined ETAI : Not determined

## Eugenol

ETAO : 2 500.00 mg/kg(Estimated) ETAC : Not determined ETAI : Not determined

## Citronellol

ETAO : 3 450.06 mg/kg(Calculated) ETAC : 2 650.06 mg/kg(Calculated) ETAI : Not determined

## 2-Methyl-3-(p-isopropylphenyl)propionaldehyde

ETAO : 3 810.10 mg/kg(Calculated) ETAC : Not determined ETAI : Not determined

## [1.alpha.(E),2.beta.]-1-(2,6,6-Trimethyl-3-cyclohexen-1-yl)-2-buten-1-one

ETAO : 1 400.01 mg/kg(Calculated) ETAC : Not determined ETAI : Not determined

## Isoeugenyl methyl ether

ETAO : 2 500.00 mg/kg(Calculated) ETAC : Not determined ETAI : Not determined

## Piperonal

ETAO : 2 700.00 mg/kg(Calculated) ETAC : Not determined ETAI : Not determined

## Isoeugenol

ETAO : 1 500.00 mg/kg(Estimated) ETAC : 1 912.01 mg/kg(Calculated) ETAI : 1.50 mg/l(Estimated)

## Methyl 2-nonynoate

ETAO : 1 600.00 mg/kg(Calculated) ETAC : 4 500.05 mg/kg(Calculated) ETAI : Not determined

## 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

Do not leave the product, even diluted or in great quantity, penetrate the ground water, water or the drains.

### 11.1.1 Substances

**Aucun composant**

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## 12.2. Persistence and degradability

Not available.

## 12.3. Bioaccumulative potential

Not available.

## 12.4. Mobility in soil

Not available.

## 12.5. Results of PBT and vPvB assessment

Not available.

## 12.6. Other adverse effects

Not available.

## 13. DISPOSAL RECOMMENDATIONS

### 13.1 Waste treatment methods

Dispose in accordance with the local environmental regulations.

## 14. TRANSPORT REGULATIONS

ADR/ADN/RID:



IMDG:



IATA:



### 14.1. UN number



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ADR/ADN/RID : UN3082 ( (-) )

IMDG:UN3082

IATA :UN3082

## 14.2. Transport hazard class(es) and Packing group

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ADR/ADN/RID : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, n.o.s ( EXTRACTS, LIQUID FOR FLAVOURING OR AROMA ) (Perfumery Product)  
IMDG:ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, n.o.s ( EXTRACTS, LIQUID FOR FLAVOURING OR AROMA ) (Perfumery Product)  
IATA :ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, n.o.s ( EXTRACTS, LIQUID FOR FLAVOURING OR AROMA ) (Perfumery Product)

## 14.3. Transport Hazard Class(es)

ADR/ADN/RID : 9  
IMDG:9  
IATA :9

## 14.4. Packing group

ADR/ADN/RID : III  
IMDG:III  
IATA :III

## 15. REGULATORY INFORMATION

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

Regulation (EC) No 1907/2006 (REACH) and its successive amendments  
Regulation (EC) No 453/2010  
Regulation (EC) No 1272/2008 (CLP) and its successive amendments  
Directive 2000/39/EC (occupational exposure limits)  
Directive 98/24/EC (Safety of workers)

Refer to the following regulations when applicable:

Regulation (EC) No 648/2004 (Detergents)  
Directive 1999/13/EC (COV) and its successive amendments.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out on the mixture itself.

## 16. OTHER INFORMATION

### Full H sentences text in point 3 :

H302	Harmful if swallowed.
H302+H312	Nocif en cas d'ingestion ou de contact cutané
H302+H312+H332	Nocif en cas d'ingestion, de contact cutané ou d'inhalation
H302+H332	Nocif en cas d'ingestion ou d'inhalation
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.

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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.

Material security data sheet according to 2001/58/CEE.

These indications are founded on the current state of our knowledge, but do not constitute a guarantee as for the properties of the product and do not give place to a contractual legal report.

## 16.1. Abbreviations and acronyms

ECHA: European Chemicals Agency

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals, Regulation (EC) No 1907/2006

CLP: Classification, Labelling, Packaging, Regulation (EC) No 1272/2008

CAS: Chemical Abstract Service number

IUPAC: International Union of Pure and Applied Chemistry

CMR: Carcinogenic, Mutagenic or toxic to Reproduction

SVHC: Substance of Very High Concern

PBT: Persistent, Bioaccumulative and Toxic substances

vPvB: Very Persistent and Very Bioaccumulative substances

LD50: Lethal dose 50% (dose required to kill half the members of a tested population)

LC50: Lethal Concentration 50%

OELV (VLEP): Occupational exposure limit value

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Dangerous Goods Code

IATA: International Air Transport Association

ICAO-TI: International Civil Aviation Organization - Technical Instructions for the Safe Transport of Dangerous Goods by Air

## 16.2. Key literature references and sources for data

Suppliers data

CLP

ECHA

Guidance on the Compilation of safety data sheets of ECHA

REACH

This material safety data sheet was realised in accordance with Annex II of the Regulation REACH.

## 16.3. Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

Classes of hazards to human health and the environment were determined by calculation method.

Classes of physical hazards were determined from physico-chemical parameter measurement.