

# SAFETY DATA SHEET

Printed : 27/07/2022

Revised : COMPO\_CLIENT-1-CLP from  
27/07/2022

## C191 PALO SANTO

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

#### 1.1. Product identifier

PALO SANTO

#### 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

Company : Sarl BS GROUP  
LE TITIEN  
4 QUAI JEAN CHARLES REY  
98000 MONACO ( MONACO )  
Email :info@scentandmore.com

#### 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)

EHC3 Hazardous to the aquatic environment, long-term hazard 3  
SS1 Sensitisation skin 1

H317 - May cause an allergic skin reaction.

H412 - Harmful to aquatic life with long lasting effects.

EUH208 - Contains . May produce an allergic reaction. : 4-tert-Butylcyclohexyl acetate, delta-3-Carene, Eucalyptol, alpha-Pinene, Carvone, Citral, Coumarin, Limonene, Eugenol, Linalool

#### 2.2. Label elements

##### GHS Classification :

(RegulationCLP)

Warning mention : Warning

# SAFETY DATA SHEET

Printed : 27/07/2022

PALO SANTO

Revised : COMPO\_CLIENT-1-CLP  
 from 27/07/2022

EHC3 Hazardous to the aquatic environment, long-term hazard 3  
 SS1 Sensitisation skin 1

H317 - May cause an allergic skin reaction.  
 H412 - Harmful to aquatic life with long lasting effects.

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

EUH208 - Contains . May produce an allergic reaction. : 4-tert-Butylcyclohexyl acetate, delta-3-Carene, Eucalyptol, alpha-Pinene, Carvone, Citral, Coumarin, Limonene, Eugenol, Linalool



## 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

Material	C.A.S	EINECS	Risk Symbol	Percent %
4-tert-Butylcyclohexyl acetate	32210-23-4	250-954-9	SS1B - H317	[ 10-20 ]
1-(2-tert.-Butyl cyclohexyloxy)-2-butanol	139504-68-0		EHC2 - H411	[ 5-10 ]
4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one	14901-07-6	238-969-9	EHC2 - H411	[ 5-10 ]
Linalool	78-70-6	201-134-4	ED12, SC12, SS1B - H315, H317, H319	[1-5]
Cedrol	77-53-2	201-035-6	EHC2 - H411	[1-5]
Cedrol	77-53-2	201-035-6	EHC2 - H411	[1-5]
Eugenol	97-53-0	202-589-1	ED12, SS1B - H317, H319	[ 0.1-1 ]
Eucalyptol	470-82-6	207-431-5	FL3, SS1B - H226, H317	[ 0.1-1 ]

# SAFETY DATA SHEET

Printed : 27/07/2022

PALO SANTO

Revised : COMPO\_CLIENT-1-CLP from  
 27/07/2022

Alpha cedrene	469-61-4	207-418-4	AH1, EHA1, EHC1, SCI2 - H304, H315, H400, H410	[ 0.1-1 ]
Citral	5392-40-5	226-394-6	EDI2, SCI2, SS1 - H315, H317, H319	[ 0.1-1 ]
beta-Cedrene	546-28-1	208-898-8	EHA1, EHC1 - H400, H410	[ 0.1-1 ]
Coumarin	91-64-5	202-086-7	ATO4, SS1B - H302, H317	[ 0.1-1 ]
Carvone	2244-16-8	218-827-2	SS1B - H317	[ 0.1-1 ]
alpha-Pinene	80-56-8	201-291-9	AH1, ATO4, EHA1, EHC1, FL3, SCI2, SS1B - H226, H302, H304, H315, H317, H400, H410	[ 0.1-1 ]
delta-3-Carene	13466-78-9	236-719-3	AH1, AT4, EHC2, FL3, SCI2, SS1 - H226, H304, H315, H317, H332, H411	[ 0.1-1 ]
Limonene	5989-27-5	227-813-5	AH1, EHA1, EHC3, FL3, SCI2, SS1B - H226, H304, H315, H317, H400, H412	[ 0.1-1 ]

## 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

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

**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.

## 5. FIRE FIGHTING MEASURES

### 5.1. Extinguishing media

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

# SAFETY DATA SHEET

Printed : 27/07/2022

PALOSANTO

Revised : COMPO\_CLIENT-1-CLP  
from 27/07/2022

## 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

# SAFETY DATA SHEET

Printed : 27/07/2022

PALO SANTO

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27/07/2022

chemicals into the air.

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 data available

### 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 data available

# SAFETY DATA SHEET

Printed : 27/07/2022

PALO SANTO

Revised : COMPO\_CLIENT-1-CLP from  
27/07/2022

## 9.2. Other information

No data available

## 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

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**

Not classified

- **Inhalation**

# SAFETY DATA SHEET

Printed : 27/07/2022

PALO SANTO

Revised : COMPO\_CLIENT-1-CLP from  
27/07/2022

Not determined

- **Skin**

Not determined

## 11.1.1. Substances

4-tert-Butylcyclohexyl acetate

ETAO : 3 370,07 mg/kg(Calculated) ETAC : Not determined ETAI : Not determined

4-(2,6,6-trimethylcyclohex-1-ene-1-yl)-but-3-ene-2-one

ETAO : 3 490,00 mg/kg(Calculated) ETAC : Not determined ETAI : Not determined

Linalool

ETAO : 2 790,02 mg/kg(Calculated) ETAC : Not determined ETAI : Not determined

Eugenol

ETAO : 2 500,00 mg/kg(Estimated) ETAC : Not determined ETAI : Not determined

Eucalyptol

ETAO : 2 479,97 mg/kg(Calculated) ETAC : Not determined ETAI : Not determined

Citral

ETAO : 0,00 mg/kg(Calculated) ETAC : 2 250,02 mg/kg(Calculated) ETAI : Not determined

Coumarin

ETAO : 500,00 mg/kg(Estimated) ETAC : Not determined ETAI : Not determined

Carvone

ETAO : 2 500,00 mg/kg(Estimated) ETAC : 3 800,11 mg/kg(Calculated) ETAI : Not determined

alpha-Pinene

ETAO : 500,00 mg/kg(Estimated) ETAC : Not determined ETAI : Not determined

delta-3-Carene

ETAO : 4 800,31 mg/kg(Calculated) ETAC : Not determined ETAI : 1,50 mg/l(Estimated)

## 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

# SAFETY DATA SHEET

Printed : 27/07/2022

PALO SANTO

Revised : COMPO\_CLIENT-1-CLP from  
27/07/2022

Alpha cedrene

EHA1 : 10

## 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

### 14.1. UN number

ADR : No data available

IMDG:No data available

IATA :No data available

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

ADR : No data available

IMDG:No data available

IATA :No data available

### 14.3. Transport Hazard Class(es)

ADR : No data available

IMDG:No data available

IATA :No data available



# SAFETY DATA SHEET

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## 14.4. Packing group

ADR : No data available  
IMDG: No data available  
IATA : No data available

## 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 :

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H303	May be 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.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
H401	Toxique pour les organismes aquatiques
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.

# SAFETY DATA SHEET

Printed : 27/07/2022

PALO SANTO

Revised : COMPO\_CLIENT-1-CLP from  
27/07/2022

## 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.