

## MATERIAL SAFETY DATA SHEET

According to Regulation ST/SG/AC.10/30/UN GHS, Latest revision

52425803

Revision: 28/01/2019  
Printing date: 28/01/2019

**01 Identification of the substance/mixture and of the company/undertaking**

1. Product identifier
  - Trade name:  
9124048CHOCO
2. Relevant identified uses of the substance or mixture and uses advised against
  - Application of the substance / the preparation  
Aromatic ingredient(s). Industrial use only.
3. Details of the supplier of the safety data sheet
  - Manufacturer/Supplier:  
CHARABOT  
10 av. Yves Emmanuel BAUDOIN BP22070 06131 GRASSE CEDEX FRANCE  
Tel: +33 (0)4 93 09 33 33 (8h-18h)  
Fax: +33 (0)4 93 09 33 01  
reach@charabot.fr
4. Further information obtainable from:

**02 Hazards identification**

1. Classification of the substance or mixture



GHS07

Skin Sens. 1B - H317 May cause an allergic skin reaction.

H316 Causes mild skin irritation.

H402 Harmful to aquatic life.

Aquatic Chronic 3 - H412 Harmful to aquatic life with long lasting effects.

- Additional information:  
Full text of H statements: see section 16

2. Label elements

- GHS label elements
- Hazard pictograms



GHS07

- Signal word  
Warning
- Hazard-determining components of labelling:  
Coumarin
- Hazard statements  
H317 May cause an allergic skin reaction.  
H316 Causes mild skin irritation.  
H412 Harmful to aquatic life with long lasting effects.
- Precautionary statements  
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.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P501 Dispose of contents/container in accordance with local/regional/ national/international regulations.

SRB

*(continued on page 2)*

52425803

Revision: 28/01/2019  
 Printing date: 28/01/2019

**PRODUCT : 9124048CHOCO**

(continued of page 1)

**03 Composition/information on ingredients**

- Chemical characterization
- Dangerous components:

CAS Number		%
84-66-2	<b>Diethyl phthalate</b> EC number: 201-550-6 Record number 01-2119486682-27-XXXX H316 H402	50,00- 75,00
104-61-0	<b>gamma-Nonalactone</b> EC number: 203-219-1 Record number 01-2119959335-30-XXXX H316	10,00- 20,00
706-14-9	<b>gamma-Decalactone</b> EC number: 211-892-8 Record number 01-2119959334-32-XXXX H316	1,00- 5,00
91-64-5	<b>Coumarin</b> EC number: 202-086-7 Acute Tox. 4 - H302, Skin Sens. 1B - H317; H402	1,00- 5,00
104-50-7	<b>gamma-Octalactone</b> EC number: 203-208-1 Acute Tox. 5 - H303	1,00- 5,00
104-67-6	<b>gamma-Undecalactone</b> EC number: 203-225-4 Record number 01-2119959333-34 XXXX H316 H402, Aquatic Chronic 3 - H412	1,00- 5,00
1222-05-5	<b>GALAXOLIDE (1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexa methylcyclopenta-gamma-2-benzopyran)</b> EC number: 214-946-9 Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410; H316	0,10- 1,00
120-57-0	<b>Piperonal</b> EC number: 204-409-7 Record number 01-2119983608-21-XXXX Skin Sens. 1B - H317; Acute Tox. 5 - H303, H401	0,10- 1,00

**04 First aid measures**

1. General information:
  - Seek immediate medical advice.
- After inhalation:
  - Supply fresh air; consult doctor in case of complaints.
- After skin contact:
  - Immediately wash with water and soap and rinse thoroughly.
- After eye contact:
  - Rinse opened eye for several minutes under running water.
- After swallowing:
  - If symptoms persist consult doctor.
2. Information for doctor:
  - Most important symptoms and effects, both acute and delayed  
 No further relevant information available.

(continued on page 3)

## MATERIAL SAFETY DATA SHEET

According to Regulation ST/SG/AC.10/30/UN GHS, Latest revision

52425803

Revision: 28/01/2019  
Printing date: 28/01/2019

**PRODUCT : 9124048CHOCO**

(continued of page 2)

- Indication of any immediate medical attention and special treatment needed  
No further relevant information available.

#### 05 Firefighting measures

1. Suitable extinguishing agents:  
CO<sub>2</sub>, sand, extinguishing powder first. In the absence of any other means of extinguishing, water can be used as an extinguishing agent.
- For safety reasons unsuitable extinguishing agents:  
Non applicable
2. Special hazards arising from the substance or mixture  
No further relevant information available.
3. Advice for firefighters  
No specific advice

#### 06 Accidental release measures

1. Personal precautions, protective equipment and emergency procedures  
Wear protective equipment. Keep unprotected persons away.
2. Environmental precautions:  
Do not allow to enter sewers/ surface or ground water.
3. Methods and material for containment and cleaning up:  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.
4. Reference to other sections  
See Section 13 for disposal information.

#### 07 Handling and storage

1. Handling:
  - Precautions for safe handling  
Avoid contact with skin and eyes Wear appropriate protective equipments (gloves, glasses ...)
  - Information about fire - and explosion protection:  
Keep ignition sources away - Do not smoke.
2. Storage:
  - Requirements to be met by storerooms and receptacles:  
Avoid exposure to extreme temperatures. Avoid prolonged contact with certain plastic materials (PVC..)
  - Further information about storage conditions:  
None.
- Specific end use(s)  
No further relevant information available.

#### 08 Exposure controls/personal protection

- Ingredients with limit values that require monitoring at the workplace:
- Additional information:  
The lists valid during the making were used as basis.
- Personal protective equipment:
- General protective and hygienic measures:  
Avoid contact with the eyes and skin.
- Respiratory protection: Use suitable respiratory protective device in case of insufficient ventilation.

(continued on page 4)

52425803

Revision: 28/01/2019  
 Printing date: 28/01/2019

**PRODUCT : 9124048CHOCO**

(continued of page 3)

- Protection of hands: Only use chemical-protective gloves with CE-labelling of category III. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- Penetration time of glove material  
 The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection: Safety glasses
- Body protection: Protective work clothing

**09 Physical and chemical properties**

**General Information**

**Appearance:**

<b>Form:</b>	Fluid
<b>Odour:</b>	Characteristic
<b>pH-value:</b>	Not determined.

**Change in condition**

**Melting point/freezing point:** Undetermined.

**Initial boiling point and boiling range:** > 35 °C

**Flash point:** >= 100 °C

**Flammability (solid, gas):** Not applicable.

**Ignition temperature:** Undetermined.

**Decomposition temperature:** Not determined.

**Auto-ignition temperature:** Not determined.

**Explosive properties:** Not determined.

**Explosion limits:**

**Lower:** Not determined.

**Upper:** Not determined.

**Vapour pressure:** Not determined.

**Density:** Not determined.

**Specific gravity** 1,0780 - 1,0980 (20°C)

**Solubility in / Miscibility with**

**water:** Not determined.

**Partition coefficient: n-octanol/water:** Not determined.

**Viscosity:**

**Dynamic:** Not determined.

**Kinematic:** Not determined.

**Additional information** Not applicable.

**10 Stability and reactivity**

1. Reactivity  
 No further relevant information available.
2. Chemical stability  
 Good stability at conditions of use mentioned in point 7 and 10
3. Possibility of hazardous reactions  
 Reacts with strong oxidising agents.
4. Conditions to avoid  
 Avoid temperatures near the flash point (see Section 9). Avoid contact with oxidizing agents.
5. Incompatible materials:  
 No further relevant information available.

(continued on page 5)

52425803

Revision: 28/01/2019  
 Printing date: 28/01/2019

**PRODUCT : 9124048CHOCO**

(continued of page 4)

6. Hazardous decomposition products:  
 No dangerous decomposition products known.

**11 Toxicological information**

1. Information on toxicological effects  
 This preparation has not been subjected to toxicological testing as such, but it is composed of substances with an established toxicological bibliography. Substances taken into account in determining the toxicological effects of this preparation are listed in Section 3.
- Acute toxicity:
  - LD/LC50 values relevant for classification:  
**9124048CHOCO**  
 Oral, LD50 ETA UN: 18373,57 mg/kg

**12 Ecological information**

1. Toxicity  
 This preparation has not been subjected to ecotoxicological testing as such, but it is composed of substances with an established ecotoxicological bibliography. Substances taken into account in determining the ecotoxicological effects of this preparation are listed in Section 3.

**13 Disposal considerations**

1. Waste treatment methods
- Recommendation  
 Must be specially treated adhering to official regulations.
  - Uncleaned packaging:
  - Recommendation:  
 Disposal must be made according to official regulations.

**14 Transport information**

- UN-Number  
**ADR** Void  
**IMDG** Void  
**IATA** Void
- UN proper shipping name  
**ADR** Void  
**IMDG** Void  
**IATA** Void
- Transport hazard class(es)  
**ADR**  
**Class** Void  
**IMDG**  
**Class** Void  
**IATA**  
**Class** Void
- Packing group  
**ADR** Void  
**IMDG** Void  
**IATA** Void
- Environmental hazards:  
 Not applicable.
- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code  
 Not applicable.

SRB

(continued on page 6)

## MATERIAL SAFETY DATA SHEET

According to Regulation ST/SG/AC.10/30/UN GHS, Latest revision

52425803

Revision: 28/01/2019  
Printing date: 28/01/2019

**PRODUCT : 9124048CHOCO**

(continued of page 5)

### 15 Regulatory information

1. National regulations:
  - Waterhazard class:  
Water hazard class 2 (Self-assessment): hazardous for water.
2. Chemical safety assessment:  
A Chemical Safety Assessment has not been carried out.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

1. Relevant phrases

H302	Harmful if swallowed.
H303	May be harmful if swallowed.
H316	Causes mild skin irritation.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H401	Toxic to aquatic life.
H402	Harmful to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
  2. Department issuing MSDS:  
Legislation / Regulatory Affair Department
  3. Abbreviations and acronyms:  
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)  
ICAO: International Civil Aviation Organisation  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent
  4. Sources  
IFRA/IOFI Labelling Manual
- \* Data compared to the previous version altered.