

MATERIAL SAFETY DATA SHEET

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

58110501

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:
9124051 COTTON
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 Irrit. 2 - H315 Causes skin irritation.
 Eye Irrit. 2A - H319 Causes serious eye irritation.
 Skin Sens. 1 - H317 May cause an allergic skin reaction.



GHS09

Aquatic Chronic 2 - H411 Toxic to aquatic life with long lasting effects.

H401 Toxic to aquatic life.

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

2. Label elements

- GHS label elements

- Hazard pictograms



GHS07



GHS09

- Signal word
Warning

- Hazard-determining components of labelling:
VERTENEX (4-tert-Butylcyclohexyl acetate) / Hexyl salicylate /
Tetrahydrolinalool / CYCLAMEN ALDEHYDE (2-Methyl-3-(p-isopropylphenyl)
p ropionaldehyde)

- Hazard statements
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.

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

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P264 Wash hands thoroughly after handling.
 P272 Contaminated work clothing should not be allowed out of the workplace.
 P273 Avoid release to the environment.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P501 Dispose of contents/container in accordance with local/regional/ national/international regulations.

03 Composition/information on ingredients

- Chemical characterization
- Dangerous components:

CAS Number		%
60-12-8	Phenylethyl alcohol EC number: 200-456-2 Record number 01-2119963921-31-XXXX Acute Tox. 4 - H302, Eye Irrit. 2A - H319; Acute Tox. 5 - H313, H316	5,00- 10,00
32210-23-4	VERTENEX (4-tert-Butylcyclohexyl acetate) EC number: 250-954-9 Record number 01-2119976286-24-XXXX Skin Sens. 1B - H317; Acute Tox. 5 - H303, H401	5,00- 10,00
90-17-5	Trichloromethyl phenyl carbiny acetate EC number: 201-972-0 Record number 01-2119929625-31-XXXX Skin Irrit. 2 - H315; H402, Aquatic Chronic 3 - H412	5,00- 10,00
55066-48-3	3-Methyl-5-phenylpentanol EC number: 259-461-3 Acute Tox. 4 - H302; Acute Tox. 5 - H313, H402	1,00- 5,00
140-11-4	Benzyl acetate EC number: 205-399-7 Record number 01-2119638272-42-XXXX Acute Tox. 5 - H303, H316, H401, Aquatic Chronic 3 - H412	1,00- 5,00
6259-76-3	Hexyl salicylate EC number: 228-408-6 Record number 01-2119638275-36-XXXX Skin Irrit. 2 - H315, Skin Sens. 1 - H317; Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410	1,00- 5,00
78-69-3	Tetrahydrolinalool EC number: 201-133-9 Record number 01-2119454788-21-XXXX Skin Irrit. 2 - H315, Eye Irrit. 2A - H319, Skin Sens. 1B - H317; H227, H401	1,00- 5,00
103-95-7	CYCLAMEN ALDEHYDE (2-Methyl-3-(p-isopropylphenyl)p ropionaldehyde) EC number: 203-161-7 Record number 01-2119970582-32-XXXX Skin Irrit. 2 - H315, Skin Sens. 1B - H317; Acute Tox. 5 - H303, H401, Aquatic	1,00- 5,00

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81786-73-4	<p>Chronic 3 - H412 Reaction mass of (3R,5R)-3,5,6,6-tetramethyl-4-methylideneheptan-2-one and (3R,5S)-3,5,6,6-tetramethyl-4-methylideneheptan-2-one and (E)-3,4,5,6,6-pentamethylhept-3-en-2-one EC number: 939-627-8 Record number 01-2119980043-42-XXXX Skin Sens. 1B - H317; H227;</p>	1,00- 5,00
4430-31-3	<p>Aquatic Chronic 2 - H411; H401 Octahydrocoumarin EC number: 224-623-4 Record number 01-2120746527-47-XXXX Eye Dam. 1 - H318; Acute Tox. 5 - H303, Acute Tox. 5 - H313</p>	1,00- 5,00
8000-41-7	<p>Terpineol EC number: 232-268-1 Record number 01-2119553062-49-XXXX Skin Irrit. 2 - H315, Eye Irrit. 2A - H319; H227, Acute Tox. 5 - H303, H402</p>	1,00- 5,00
5413-60-5	<p>Tricyclodecanyl-9- acetate EC number: 226-501-6 Acute Tox. 5 - H303, H316, H402</p>	1,00- 5,00
87-20-7	<p>Isoamyl salicylate EC number: 201-730-4 H316; Aquatic Chronic 2 - H411; H401</p>	1,00- 5,00
88-41-5	<p>VERDOX (2-tert-Butylcyclohexyl acetate) EC number: 201-828-7 Record number 01-2119970713-33-XXXX H227 Acute Tox. 5 - H303, H316; Aquatic Chronic 2 - H411</p>	1,00- 5,00
151-05-3	<p>DIMETHYL BENZYL CARBINYL ACET (1,1-Dimethyl-2-phenylethyl acetate) EC number: 205-781-3 Acute Tox. 5 - H303, H402</p>	1,00- 5,00
32388-55-9	<p>Acetyl cedrene EC number: 251-020-3 Skin Sens. 1B - H317; Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410; H316</p>	0,10- 1,00
112-54-9	<p>Dodecanal (Lauraldehyde) EC number: 203-983-6 Record number 01-2119969441-33-XXXX Skin Irrit. 2 - H315, Eye Irrit. 2A - H319, Skin Sens. 1B - H317</p>	0,10- 1,00
101-84-8	<p>Diphenyl ether EC number: 202-981-2 Record number 01-2119472545-33-XXXX Eye Irrit. 2A - H319; Aquatic Acute 1 - H400; Acute Tox. 5 - H303, H316, Aquatic Chronic 3 - H412</p>	0,10- 1,00
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97-53-0	<p>Eugenol EC number: 202-589-1 Record number 01-2119971802-33-XXXX Eye Irrit. 2A - H319, Skin Sens. 1B - H317; Acute Tox. 5 - H303, H316, H401</p>
112-45-8	<p>10-Undecenal EC number: 203-973-1 Skin Irrit. 2 - H315, Eye Irrit. 2A - H319, Skin Sens. 1B - H317; H401, Aquatic Chronic 3 - H412</p>
106-22-9	<p>dl-Citronellol EC number: 203-375-0 Record number 01-2119453995-23-XXXX Skin Irrit. 2 - H315, Eye Irrit. 2A - H319, Skin Sens. 1B - H317; Acute Tox. 5 - H303, Acute Tox. 5 - H313, H401</p>
80-54-6	<p>LILIAL (p-tert-Butyl-alpha-methylhydrocinnamic aldehyde) EC number: 201-289-8 Record number 01-2119485965-18-XXXX Repr. 2 Acute Tox. 4 - H302, Skin Irrit. 2 - H315, Skin Sens. 1B - H317; Repr. 2 - H361; H227, H401, Aquatic Chronic 3 - H412</p>
106-24-1	<p>Geraniol EC number: 203-377-1 Record number 01-2119552430-49-XXXX Eye Dam. 1 - H318; Skin Irrit. 2 - H315, Skin Sens. 1B - H317; Acute Tox. 5 - H303, H402</p>

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

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1. Suitable extinguishing agents:
CO₂, 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.
- 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

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- Body protection: Protective work clothing

09 Physical and chemical properties

General Information	
Appearance:	
Form:	Fluid
Odour:	Characteristic
pH-value:	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	1,0030 - 1,0230 (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.
6. Hazardous decomposition products:
No dangerous decomposition products known.

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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:

9124051 COTTON

Oral, LD50 ETA UN: 7236,05 mg/kg
 Dermal, LD50 ETA UN: 19531,63 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

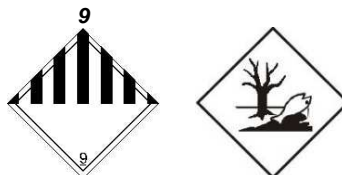
ADR UN3082
IMDG UN3082
IATA UN3082

- UN proper shipping name

ADR 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HEXYL SALICYLATE)
IMDG ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HEXYL SALICYLATE)
IATA ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HEXYL SALICYLATE)

- Transport hazard class(es)

ADR
Class 9 (M6) Miscellaneous dangerous substances and articles.
Label



IMDG
Class 9 Miscellaneous dangerous substances and articles.

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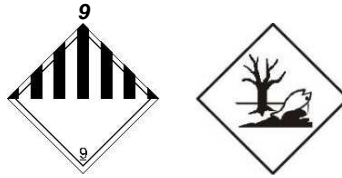
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Label

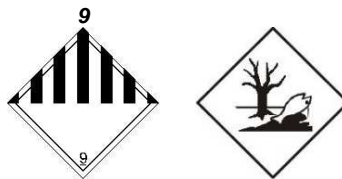


IATA

Class

9 Miscellaneous dangerous substances and articles.

Label



- Packing group

ADR III

IMDG III

IATA III

- Environmental hazards:

Marine pollutant: Yes

- Special precautions for user

Warning: Miscellaneous dangerous substances and articles.

Danger code (Kemler): 90

EMS Number: F-A,S-F

- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
 Not applicable.

- Transport/Additional information:

Excepted quantities (EQ): E1

Limited quantities (LQ) 5L

Transport category 3

IMDG

Limited quantities (LQ) 5L

Excepted quantities (EQ) E1

- UN "Model Regulation":

UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HEXYL SALICYLATE), 9, III

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

H227 Combustible liquid.
 H302 Harmful if swallowed.
 H303 May be harmful if swallowed.

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H313	May be harmful in contact with skin.
H315	Causes skin irritation.
H316	Causes mild skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H361	Suspected of damaging fertility or the unborn child.
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.
H411	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.