

MATERIAL SAFETY DATA SHEET
According to 1907/2006/EC, Article 31, Latest Amendment

49860100

Revision: 29/09/2017
Printing date: 29/09/2017

SECTION 01: Identification of the substance/mixture and of the company/undertaking

1. Product identifier
 - Trade name:
LIATRIX COLORLESS ABSOLUTE #R50169
 - CAS Number:
68606-82-6
 - EC number:
271-627-7
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:
 - ORFILA (INRS)
 - Emergency telephone number:
+ 33 (0)1 45 42 59 59 (24h/24h ; 7/7)

SECTION 02: Hazards identification

1. Classification of the substance or mixture
 - Classification according to Regulation (EC) No 1272/2008



GHS07

Acute Tox. 4 - H302 Harmful if swallowed.
Skin Sens. 1B - H317 May cause an allergic skin reaction.

- Additional information:
Full text of H statements: see section 16
2. Label elements
 - Labelling according to Regulation (EC) No 1272/2008
 - Hazard pictograms



GHS07

- Signal word
Warning
- Hazard-determining components of labelling:
Coumarin / Dihydrocoumarin
- Hazard statements
H302 Harmful if swallowed.
H317 May cause an allergic skin reaction.
- Precautionary statements
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P272 Contaminated work clothing should not be allowed out of the workplace.
P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P501 Dispose of contents/container in accordance with local/regional/ national/international regulations.

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- 3. Other hazards
 - Results of PBT and vPvB assessment
 - PBT:
Not applicable.
 - vPvB:
Not applicable.

SECTION 03: Composition/information on ingredients

- Chemical characterization
 - CAS Number: 68606-82-6
 - EINECS Number: 271-627-7
 - Dangerous components:
- | CAS Number | | % |
|-------------------|---|---------------------|
| 91-64-5 | Coumarin
<i>EC number: 202-086-7</i>
<i>Acute Tox. 4 - H302, Skin Sens. 1B - H317</i> | 50,00- 75,00 |
| 119-84-6 | Dihydrocoumarin
<i>EC number: 204-354-9</i>
<i>Acute Tox. 4 - H302, Skin Sens. 1B - H317</i> | 10,00- 20,00 |
| 64-17-5 | ethanol
<i>EC number: 200-578-6</i>
<i>Flam. Liq. 2 - H225; Eye Irrit. 2 - H319</i> | 1,00- 5,00 |
| 120-51-4 | Benzyl benzoate
<i>EC number: 204-402-9</i>
<i>Acute Tox. 4 - H302; Aquatic Acute 1 - H400, Aquatic Chronic 2 - H411</i> | 0,10- 1,00 |

SECTION 04: First aid measures

- 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:
Call for a doctor immediately.
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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SECTION 05: Firefighting measures

1. Extinguishing media
 - 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

SECTION 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.

SECTION 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.

SECTION 08: Exposure controls/personal protection

1. Control parameters
 - Ingredients with limit values that require monitoring at the workplace:

64-17-5	ethanol	1,00- 5,00 %
WGW		
	Short-term value	1900 mg/m3
		990 ppm
	Long-term value	260 mg/m3
		35 ppm

- Additional information:
The lists valid during the making were used as basis.

2. Exposure controls

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- Personal protective equipment:
- General protective and hygienic measures:
Avoid contact with the eyes and skin.
- Respiratory protection: Not required.
- Protection of hands: Protective gloves
- Eye protection: Safety glasses
- Body protection: Protective work clothing

SECTION 09: Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance:

Form:	Crystallized
Odour:	Characteristic
pH-value:	Not determined.

Change in condition

Boiling point/Boiling range:	> 35 °C
Flash point:	>= 100 °C
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	
Decomposition temperature:	Not determined.
Self-igniting:	Not determined.
Danger of explosion:	Not determined.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapour pressure:	Not determined.
Density:	Not determined.
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.

SECTION 10: Stability and reactivity

1. Reactivity
No known reaction with water
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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SECTION 11: Toxicological information

1. Information on toxicological effects

• Acute toxicity:

LD/LC50 values relevant for classification:

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Oral, LD50: 730 mg/kg

Dermal, LD50: 3670 mg/kg

• Skin corrosion / irritation
Not available

• Serious eye damage / irritation
Not available

• Respiratory / skin sensitization
Not available

• Germ cell mutagenicity
Not available

• Carcinogenicity
Not available

• Reproductive toxicity
Not available

• STOT single exposure
Not available

• STOT repeated exposure
Not available

• Aspiration hazard
Not available

SECTION 12: Ecological information

1. Toxicity

• Aquatic toxicity:
Not available

2. Persistence and degradability
Not available

3. Behaviour in environmental systems:

• Bioaccumulative potential
Not available

• Mobility in soil
Not available

• Results of PBT and vPvB assessment

• PBT:
Not applicable.

• vPvB:
Not applicable.

SECTION 13: Disposal considerations

1. Waste treatment methods

• Recommendation
Must be specially treated adhering to official regulations.

• Uncleaned packaging:

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- Recommendation:
Disposal must be made according to official regulations.

SECTION 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.

SECTION 15: Regulatory information

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

SECTION 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

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
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. Department issuing MSDS:
Legislation / Regulatory Affair Department
3. Abbreviations and acronyms:

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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
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative

4. Sources

IFRA/IOFI Labelling Manual

- * Data compared to the previous version altered.