

# Material security data sheet

Printed : 05/10/2017

Review : 001NEW-3-GHS from 05/10/2017

## LIATRIX ABSOLUTE SUBSTITUTE NATURAL LIATA0025

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### 1.1. Product identifier

LIATRIX ABSOLUTE SUBSTITUTE NATURAL LIATA0025

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

Use : Industrial, only for professional use.

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

Company SAS MATIÈRES PREMIÈRES ESSENTIELLES  
6, chemin St Joseph  
BP 25265  
06131 GRASSE CEDEX  
Tel:04 93 09 19 27  
Fax :04 93 77 89 88  
Web :www.mpe-grasse.fr  
Email :sales@mpe-grasse.fr

#### 1.4. Emergency telephone number

In case of emergency call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 24 (UK only).

### 2. HAZARD IDENTIFICATION

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

GHS Classification :

RegulationGHS

AcuteTox.5(D)Acutetoxicitydermal5 H313 : May be harmful in contact with skin

AcuteTox.5(O)Acutetoxicityoral5 H303 : May be harmful if swallowed

EyeDam.1Seriouseyedamage/eyeirritation1 H318 : Causes serious eye damage.

AquaticAcute3Hazardoustotheaquaticenvironment,acutehazard3 H402 : Harmful to aquatic life

AquaticChronic3Hazardoustotheaquaticenvironment,long-tremhazard H412 : Harmful to aquatic life with long lasting effects.

SkinIrrit.2Skincorrosion/irritation2 H315 : Causes skin irritation.

SkinSens.1ASensitisation,skin1A H317 : May cause an allergic skin reaction.

StotRe2Specifictargetorgantoxicity,repeatedexposure2 H373 : May cause damage to

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organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

## 2.2. Label elements

GHS Classification :

Regulation GHS

Warning mention : Danger

Acute Tox. 5 (D) Acute toxicity dermal 5  
Acute Tox. 5 (O) Acute toxicity oral 5  
Eye Dam. 1 Serious eye damage / eye irritation 1  
Aquatic Acute 3 Hazardous to the aquatic environment, acute hazard 3  
Aquatic Chronic 3 Hazardous to the aquatic environment, long-term hazard 3  
Skin Irrit. 2 Skin corrosion / irritation 2  
Skin Sens. 1A Sensitisation, skin 1A  
Stot Re 2 Specific target organ toxicity, repeated exposure 2

H303+H313 - May be harmful if swallowed or in contact with skin

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H318 - Causes serious eye damage.

H373 - May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H402 - Harmful to aquatic life

H412 - Harmful to aquatic life with long lasting effects.

P260 - Do not breathe 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 water/...

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call a POISON CENTER/doctor/...

P312 - Call a POISON CENTER/doctor/.../if you feel unwell.

P314 - Get medical advice/attention if you feel unwell.



## 2.3. Other hazards

Contains Linalool, Benzoic acid, d-Limonene, Ethyl alcohol, Linalyl acetate, Geraniol

## 3. COMPOSITION / INFORMATION ON INGREDIENT

Component list :

### 3.1. Substances

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Not available

## 3.2. Mixtures

Material	C.A.S	EINECS	Risk Symbol	Percent %
Coumarin	91-64-5	202-086-7	Acute Tox. 4 (O), Aquatic Acute 3, Skin Sens. 1B - H302, H402, H317	[ 20-25 ]
Benzoic acid	65-85-0	200-618-2	Acute Tox. 5 (O), Eye Dam. 1, Aquatic Acute 3, Skin Irrit. 2, Stot Re 1 - H303, H318, H402, H315, H372	[ 1-5 ]
Ethyl alcohol	64-17-5	200-578-6	Acute Tox. 4 (D), Eye Irrit. 2, Eye Irrit. 2A, Flam. Liq. 2 - H312, H319, H225	[ 1-5 ]
Geraniol (No REACH : 01-2119552430-49-0000)	106-24-1	203-377-1	Acute Tox. 5 (O), Eye Dam. 1, Aquatic Acute 3, Skin Irrit. 2, Skin Sens. 1A - H303, H318, H402, H315, H317	[ 1-5 ]
Linalool	78-70-6	201-134-4	Acute Tox. 5 (O), Eye Irrit. 2, Eye Irrit. 2A, Aquatic Acute 3, Flam. Liq. 4, Skin Irrit. 2, Skin Sens. 1B - H303, H319, H402, H227, H315, H317	[ 1-5 ]
Linalyl acetate (No REACH : 01-2119454789-19-0000)	115-95-7	204-116-4	Eye Irrit. 2, Eye Irrit. 2A, Aquatic Acute 3, Flam. Liq. 4, Skin Irrit. 2 - H319, H402, H227, H315	[ 1-5 ]
d-Limonene	5989-27-5	227-813-5	Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 1, Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1B - H304, H400, H410, H226, H315, H317	[ 1-5 ]
2,6,6-trimethyl-bicyclo-2-heptene	80-56-8	201-291-9	Asp. Tox. 1, Acute Tox. 5 (O), Aquatic Acute 1, Aquatic Chronic 1, Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1B - H304, H303, H400, H410, H226, H315, H317	[ 0-1 ]
Benzyl benzoate	120-51-4	204-402-9	Acute Tox. 5 (D), Acute Tox. 4 (O), Aquatic Acute 1, Aquatic Chronic 2, Flam. Liq. 4 - H313, H302, H400, H411, H227	[ 0-1 ]
Beta-Pinène	127-91-3	204-872-5	Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 1, Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1B - H304, H400, H410, H226, H315, H317	[ 0-1 ]
Caffeine	58-08-2	200-362-1	Acute Tox. 4 (O), Aquatic Acute 3, Flam. Liq. 4 - H302, H402, H227	[ 0-1 ]
Geranyl acetate (No REACH : 01-2119973480-35-0000)	105-87-3	203-341-5	Aquatic Acute 2, Aquatic Chronic 3, Flam. Liq. 4, Skin Irrit. 2, Skin Sens. 1B - H401, H412, H227, H315, H317	[ 0-1 ]
Linolenic acid	463-40-1	207-334-8	Skin Sens. 1B - H317	[ 0-1 ]
Tealactone	15356-74-8	239-390-4	Acute Tox. 2 (O), Flam. Liq. 4 - H300, H227	[ 0-1 ]
Terpinene-1ol-4	562-74-3	209-235-5	Acute Tox. 5 (D), Acute Tox. 4 (O), Eye Irrit. 2, Eye Irrit. 2A, Aquatic Acute 3, Flam. Liq. 4, Skin Irrit. 2 - H313, H302, H319, H402, H227, H315	[ 0-1 ]

## 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

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General Notes :

If in doubt, always call a doctor.

If Inhaled :

If the person is unconscious, place in the fresh air . Consult a doctor

Contact with skin :

Remove soiled clothing . Wash immediately and abundantly with water.

Contact with eyes :

Abundant rinsing with water then washing with an ocular lotion standard Dacryoserum. Consult an ophthalmologist.

If swallowed :

Do not induce vomiting, maintain the patient at rest. Resort to the medical care.

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

Not available

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

Not available

## **5. FIRE FIGHTING**

Flammability class : The product is not flammable.

### **5.1. Extinguishing media**

**Appropriate extinction method :**

In case of fire, use water spray (or fog) and appropriate fire extinguishers (CO<sub>2</sub>, powder ...)

**Inappropriate extinction method :**

In case of fire, never use direct water stream.

### **5.2. Special hazards arising from the substance or mixture**

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

In case of fire, may produce toxic fumes of carbon monoxide (CO) or carbon dioxide (CO<sub>2</sub>). Exposure to decomposition products may be hazardous to health. Do not breathe fumes.

### **5.3. Advice for firefighters**

Not available

## **6. ACCIDENTAL RELEASE MEASURES**

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

Prevent a manager.

Refer to protective measures listed in sections 7 and 8.

For non-emergency personnel:

Avoid breathing vapors. Avoid all contact with skin and eyes. If necessary, evacuate staff by trained operators equipped with safety equipment

For emergency responders:

Appropriate personal protective equipment will be required (refer to Section 8).

Use appropriate personal protective equipment during clean-up.

### **6.2. Environmental precautions**

Prevent contamination of soil and water, while entering into drains, ditches and rivers. Notify authorities if the product penetrates into the sewers or public waters.

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

Diking with sand or diatomaceous earth, pumping and rinsing with water after recovery of specific waste in plastic drums and labeled then deliver to an approved waste facility.  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

## 6.4. Reference to other sections

Refer to sections 8 and 13 for information on exposure control, personal protection and disposal.

## 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Wash hands after use.  
Reproduce labeling if transfer to another container.  
Ensure adequate ventilation.  
Provide safety showers and eye washes.

#### Fire prevention :

Prevent access by unauthorized persons.  
Handle in well ventilated areas.

#### Equipment and procedures :

For personal protection, see Section 8.  
Observe precautions stated on the label and regulations of labor protection.  
Close the packaging after use.  
Avoid inhalation of vapors and contact with skin or eyes.

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

Keep tightly closed containers away from heat sources and protected from extreme temperatures.  
Keep containers closed when not in use.  
Always keep in appropriate packages (identical to the original material).

### 7.3. Specific end use(s)

Not available

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1. Control parameters

#### Exposition limit (France INRS - ED984 07/2012)

##### - V.M.E ( 8 hr)

Ethyl alcohol	1000 ppm
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##### - V.L.E (15 mn)

Ethyl alcohol	5000 ppm
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### 8.2. Exposure controls

Individual protection measures, such as personal protective equipment

Personal protective equipment :

Hands protection : Gloves required. Eyes protection : Glasses required. Respiratory protection : Not required if a good ventilation is maintained.

Body protection :

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Wear regularly cleaned overalls. In case of contact, all soiled parts should be washed.

Engineering measures :

Avoid contact with eyes, skin or clothing. Do not ingest. Avoid contact with food, drinks.

Do not eat, do not drink and do not smoke during use.

Symbol compulsory wearing of personal protective equipment (PPE):



## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

Relative density (d <sub>20</sub> /20) :	N.A.
Refractive index at 20 C :	[1.495 ; 1.530]
Angular rotation ( ) :	N.A.
Odor :	aromatic, spicy, balsamic
Appearance :	viscous product
Color :	dark green to dark green-brownish
Flash point ( C ) :	95

### 9.2. Other information

Not available

## 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

No dangerous reactions during storage and handling according to specifications.

### 10.2. Chemical stability

Stable product during storage and handling according to specifications.

### 10.3. Possibility of hazardous reactions

No dangerous reactions during storage and handling according to specifications.

### 10.4. Conditions to avoid

Avoid excessive heat (naked flames, sparks, ...).

### 10.5. Incompatible materials

Not available

### 10.6. Hazardous decomposition products

**Thermal decomposition / conditions to be avoided :**

No decomposition if used according to specifications.

**Dangerous decomposition products :**

No dangerous decomposition products known.

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## 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological

Toxicological Information :

No data available.

Toxicological Informations Acute :

Oral (mg/kg) : 4 617,23 (Defined)

Inhalation (mg/kg) : Not determined

Skin (mg/kg) : 4 468,08 (Defined)

## 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

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

### 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

**Waste** : Do not flush with household garbage. Do not pour into drains or waterways. Dispose of according to current legislation, by a collector or a specialized company.

**Contaminated packaging** : Keep the label on the container. Give to a certified disposal.

## 14. TRANSPORT INFORMATION

IATA:



### 14.1. UN number

ADR : Not Regulated

IMDG:Not Regulated

IATA :3334

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Custom tariff : 33013000

## 14.2. UN proper shipping name

ADR : Not Regulated  
IMDG:Not Regulated  
IATA :AVIATION REGULATED LIQUID, N.O.S.(Benzoic acid)

## 14.3. Transport hazard class(es)

ADR : Not Regulated  
IMDG:Not Regulated  
IATA :9

## 14.4. Packing group

ADR : Not Regulated  
IMDG:Not Regulated  
IATA :III

## 14.5. Environmental hazards

IMDG : Not Regulated

## 14.6. Special precautions for user

Not available

## 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not available

## 15. REGULATORY INFORMATION

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

Class of water contamination (Germany) : WGK 2

### 15.2. Chemical safety assessment

Contient Linalool, Benzoic acid, d-Limonene, Ethyl alcool, Linalyl acetate, Geraniol : Peut provoquer des allergies.

## 16. OTHER INFORMATION

Full H sentences text in point 3 :

H225 Highly flammable liquid and vapour.  
H226 Flammable liquid and vapour.  
H227 Combustible liquid  
H300 Fatal if swallowed.  
H302 Harmful if swallowed.  
H303 May be harmful if swallowed  
H304 May be fatal if swallowed and enters airways.  
H313 May be harmful in contact with skin  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.



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H372 Causes damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

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.

Material security data sheet according to (CE) 1272/2008

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.

Modifiedpoints:	1.2	1.3	1.4	2.1	2.2	2.3	3.2	4.1	4.3	5	
5.1	5.2	5.3	6.1	6.2	6.3	6.4	7.1	7.2	7.3	8.1	8.2
9.1	10.1	10.2	10.3	10.4	10.6	11.1	13.1	14	14.1	14.2	14.3
14.4	15.1	15.2	16								