

# Safety Data Sheet

FGR62709

CALANE ALOE DETOX HAIR HYDRO AIAB



Safety Data Sheet dated 2/7/2018, version 1

Data di stampa 2/7/2018

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Mixture identification:

Trade code: FGR62709

Trade name: CALANE ALOE DETOX HAIR HYDRO AIAB

INCI name: parfum/fragrance

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

Recommended use:

Ingredient for fragrance formulation, industrial use only

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

Supplier:

Creative Flavours & Fragrances S.p.A. - Via G. Ungaretti 39 - 20090 Opera (MI) - ITALY -

Phone +39-0257603551 - Fax +39-0257603570

Competent person responsible for the safety data sheet:

regulatory@cff.it

### 1.4. Emergency telephone number

Poison Centre - 24/24h - Ospedale Niguarda Ca' Granda - Milan - Phone: +39 0266101029

Poison Centre - 24/24h - Policlinico Universitario A. Gemelli - Rome - Phone: +39 063054343

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP):

⚠ Warning, Skin Sens. 1B, May cause an allergic skin reaction.

🐠 Aquatic Chronic 2, Toxic to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

### 2.2. Label elements

Hazard pictograms:



Warning

Hazard statements:

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.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P391 Collect spillage.

P501 Dispose of contents/container in accordance with applicable regulations.

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Special Provisions:

None

Contents:

linalyl acetate

Tetrahydrolinalool: May produce an allergic reaction.

1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl) ethanone: May produce an allergic reaction.

alpha-Methylcinnamaldehyde: May produce an allergic reaction.

1-(1,2,3,4,6,7,8,8a-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one: May produce an allergic reaction.

1-(1,2,3,5,6,7,8a-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one: May produce an allergic reaction.

(-)-Pin-2(3)-ene: May produce an allergic reaction.

Reaction mass of cis-a,a-4-trimethyl-cyclohexanemethanol-1-acetate / trans-a,a-4-trimethylcyclohexanemethanol-

1-acetate / cis-1-methyl-4-(1-methylethyl)-cyclohexanol-acetate

/ trans-1-methyl-4-(1-methylethyl)-cyclohexanol-acetate: May produce an allergic reaction.

Phenol, 2-methoxy-4-propyl: May produce an allergic reaction.

alpha-Methyl-1,3-benzodioxole-5-propionaldehyde: May produce an allergic reaction.

3-p-Methoxyphenyl-2-methylpropionate: May produce an allergic reaction.

hexyl salicylate: May produce an allergic reaction.

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

## SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Number	Classification
3% - 5%	linalyl acetate	CAS: 115-95-7 EC: 204-116-4 REACH 01- No.: 21194547 89-19- 0000	⚠ 3.2/2 Skin Irrit. 2 H315 ⚠ 3.4.2/1B Skin Sens. 1B H317 ⚠ 3.3/2 Eye Irrit. 2 H319
1% - 3%	2,6-dimethyloct-7-en-2-ol	CAS: 18479-58-8 EC: 242-362-4 REACH 01- No.: 21194572 74-37- XXXX	⚠ 3.2/2 Skin Irrit. 2 H315 ⚠ 3.3/2 Eye Irrit. 2 H319

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1% - 3%	Tetrahydrolinalool	CAS: 78-69-3 EC: 201-133-9 REACH No.: 01-21194547 88-21-0000	<div> <div></div> 3.2/2 Skin Irrit. 2 H315 </div> <div> <div></div> 3.4.2/1B Skin Sens. 1B H317 </div> <div> <div></div> 3.3/2 Eye Irrit. 2 H319 </div>
1% - 3%	4-(2,6,6-Trimethylcyclohex-1-eneyl)-but-3-ene-2-one	CAS: 14901-07-6 EC: 238-969-9 REACH No.: 01-21199378 33-30-0000	<div> <div></div> 4.1/C2 Aquatic Chronic 2 H411 </div>
0.5% - 1%	1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethanone	CAS: 54464-57-2 EC: 259-174-3 REACH No.: 01-21194899 89-04-0000	<div> <div></div> 3.2/2 Skin Irrit. 2 H315 </div> <div> <div></div> 3.4.2/1B Skin Sens. 1B H317 </div> <div> <div></div> 4.1/C1 Aquatic Chronic 1 H410 </div>
0.25% - 0.5%	alpha-Methylcinnamaldehyde	CAS: 101-39-3 EC: 202-938-8 REACH No.: 01-21195387 97-21-0000	<div> <div></div> 3.4.2/1-1A-1B Skin Sens. 1,1A,1B H317 </div>
0.25% - 0.5%	1-(1,2,3,4,6,7,8,8a-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	CAS: 68155-67-9 EC: 268-979-9	<div> <div></div> 4.1/C1 Aquatic Chronic 1 H410 </div> <div> <div></div> 3.2/2 Skin Irrit. 2 H315 </div> <div> <div></div> 3.4.2/1B Skin Sens. 1B H317 </div>
0.25% - 0.5%	1-(1,2,3,5,6,7,8a-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	CAS: 68155-66-8 EC: 268-978-3	<div> <div></div> 3.2/2 Skin Irrit. 2 H315 </div> <div> <div></div> 3.4.2/1B Skin Sens. 1B H317 </div> <div> <div></div> 4.1/C1 Aquatic Chronic 1 H410 </div>
0.25% - 0.5%	(-)-Pin-2(3)-ene	CAS: 80-56-8 EC: 201-291-9	<div> <div></div> 2.6/3 Flam. Liq. 3 H226 </div> <div> <div></div> 3.1/4/Oral Acute Tox. 4 </div>

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		REACH No.:	01-21195192 23-49-0002	H302 3.2/2 Skin Irrit. 2 H315 4.1/A1 Aquatic Acute 1 H400 3.10/1 Asp. Tox. 1 H304 4.1/C1 Aquatic Chronic 1 H410 3.4.2/1 Skin Sens. 1 H317
0.1% - 0.25% trimethylcyclohexanemethanol-1-ethanol-1-acetate / cis-1-methyl-4-(1-methylthyl)-cyclohexanol-acetate / trans-1-methyl-4-(1-methylthyl)-cyclohexanol-acetate	Reaction mass of cis-a,a-4-trimethylcyclohexanemethanol-1-acetate / trans-a,a-4-EC:	201-264-1 REACH No.:	3.3/2 Eye Irrit. 2 H319 01-21199832 93-30-0000	3.4.2/1B Skin Sens. 1B H317 4.1/C2 Aquatic Chronic 2 H411
0.1% - 0.25%	Phenol, 2-methoxy-4-propyl	CAS: EC: REACH No.:	2785-87-7 220-499-0 01-21202236	3.3/2 Eye Irrit. 2 H319 3.4.2/1B Skin Sens. 1B H317








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			84-57-XXXX	
0.1% - 0.25%	alpha-Methyl-1,3-benzodioxole-5-propionaldehyde	CAS: EC: REACH No.:	1205-17-0 214-881-6 2018	<div> <div></div> <div>3.4.2/1B Skin Sens. 1B H317</div> </div> <div> <div></div> <div>4.1/C2 Aquatic Chronic 2 H411</div> </div>
0.1% - 0.25%	cis-3-Hexenyl salicylate	CAS: EC: REACH No.:	65405-77-8 265-745-8 01-21199873 20-37-XXXX	<div> <div></div> <div>4.1/A1 Aquatic Acute 1 H400</div> </div> <div> <div></div> <div>4.1/C1 Aquatic Chronic 1 H410</div> </div>
0.1% - 0.25%	3-p-Methoxyphenyl-2-methylpropionate	CAS: EC: REACH No.:	5462-06-6 226-749-5 2018	<div> <div></div> <div>3.4.2/1-1A-1B Skin Sens. 1,1A,1B H317</div> </div> <div> <div></div> <div>4.1/C3 Aquatic Chronic 3 H412</div> </div>
0.1% - 0.25%	alpha cedrene	CAS: EC: REACH No.:	469-61-4 207-418-4 01-21207536 03-56-xxxx	<div> <div></div> <div>3.10/1 Asp. Tox. 1 H304</div> </div> <div> <div></div> <div>4.1/A1 Aquatic Acute 1 H400 M=10.</div> </div> <div> <div></div> <div>4.1/C1 Aquatic Chronic 1 H410 M=10.</div> </div>
0.1% - 0.25%	hexyl salicylate	CAS: EC: REACH No.:	6259-76-3 228-408-6 01-21196382 75-36-0002	<div> <div></div> <div>3.2/2 Skin Irrit. 2 H315</div> </div> <div> <div></div> <div>4.1/A1 Aquatic Acute 1 H400</div> </div> <div> <div></div> <div>3.4.2/1-1A-1B Skin Sens. 1,1A,1B H317</div> </div> <div> <div></div> <div>4.1/C1 Aquatic Chronic 1 H410</div> </div>
0.1% - 0.25%	Allyl (cyclohexyloxy) acetate	CAS: EC: REACH No.:	68901-15-5 272-657-3 01-21207705 14-54-xxxx	<div> <div></div> <div>3.1/4/Oral Acute Tox. 4 H302</div> </div> <div> <div></div> <div>4.1/A1 Aquatic Acute 1 H400</div> </div> <div> <div></div> <div>4.1/C1 Aquatic Chronic 1 H410</div> </div>

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927 ppm	Dodecanenitrile	CAS: 2437-25-4 EC: 219-440-1 REACH 01- No.: 21194869 97-10-XXXX	 3.2/2 Skin Irrit. 2 H315  4.1/A1 Aquatic Acute 1 H400 M=10.  4.1/C1 Aquatic Chronic 1 H410
31 ppb	p-cresol	Index number: 604-004-00-9 CAS: 106-44-5 EC: 203-398-6 REACH 01- No.: 21194483 36-36-0000	 3.1/3/Dermal Acute Tox. 3 H311  4.1/C3 Aquatic Chronic 3 H412  3.1/3/Oral Acute Tox. 3 H301  3.2/1B Skin Corr. 1B H314

#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

###### In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

###### In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

###### In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

###### In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

None

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

None

#### SECTION 5: Firefighting measures

##### 5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO<sub>2</sub>).

Extinguishing media which must not be used for safety reasons:

None in particular.

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

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Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

#### 5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

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#### **SECTION 6: Accidental release measures**

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

Wear personal protection equipment.

Remove all sources of ignition.

Remove persons to safety.

See protective measures under point 7 and 8.

##### 6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

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

Wash with plenty of water.

##### 6.4. Reference to other sections

See also section 8 and 13

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#### **SECTION 7: Handling and storage**

##### 7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

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

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

##### 7.3. Specific end use(s)

None in particular

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#### **SECTION 8: Exposure controls/personal protection**

##### 8.1. Control parameters

(-)-Pin-2(3)-ene - CAS: 80-56-8

ACGIH - LTE(8h): 20 ppm - Notes: DSEN, A4 - Lung irr

p-cresol - CAS: 106-44-5

EU - LTE(8h): 22 mg/m<sup>3</sup>, 5 ppm - Notes: Indicative Occupational Exposure Limit Values, proposal [5] (for references see bibliography)

ACGIH - LTE(8h): 20 mg/m<sup>3</sup> - Notes: Skin, A4, (IFV) - URT irr

##### DNEL Exposure Limit Values

1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl) ethanone - CAS: 54464-57-2

Worker Professional: 0.1011 04 - Exposure: Human Dermal - Frequency: Short Term, local effects

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Worker Professional: 1.73 mg/kg - Exposure: Human Dermal - Frequency: Short Term, systemic effects

Worker Professional: 1.76 03 - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

1-(1,2,3,4,6,7,8,8a-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one - CAS: 68155-67-9

Worker Professional: 0.1011 04 - Exposure: Human Dermal - Frequency: Short Term, local effects

Worker Professional: 1.73 mg/kg - Exposure: Human Dermal - Frequency: Short Term, systemic effects

Worker Professional: 1.76 03 - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

1-(1,2,3,5,6,7,8a-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one - CAS: 68155-66-8

Worker Professional: 0.1011 04 - Exposure: Human Dermal - Frequency: Short Term, local effects - Notes: Exposure time: 8h

Worker Professional: 1.73 mg/kg - Exposure: Human Dermal - Frequency: Short Term, systemic effects - Notes: Exposure time: 8h

Worker Professional: 1.76 03 - Exposure: Human Inhalation - Frequency: Short Term, systemic effects - Notes: Exposure time: 8h

#### PNEC Exposure Limit Values

1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl) ethanone - CAS: 54464-57-2

Target: Fresh Water - Value: 0.0028 mg/l

Target: Marine water - Value: 0.00028 mg/l

Target: Freshwater sediments - Value: 3.73 mg/kg

Target: Marine water sediments - Value: 0.75 mg/kg

Target: Soil (agricultural) - Value: 0.705 mg/kg

1-(1,2,3,4,6,7,8,8a-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one - CAS: 68155-67-9

Target: Fresh Water - Value: 0.0028 mg/l

Target: Marine water - Value: 0.00028 mg/l

Target: Freshwater sediments - Value: 3.73 mg/kg

Target: Marine water sediments - Value: 0.75 mg/kg

Target: Soil (agricultural) - Value: 0.705 mg/kg

1-(1,2,3,5,6,7,8a-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one - CAS: 68155-66-8

Target: Fresh Water - Value: 0.0028 mg/l

Target: Marine water - Value: 0.00028 mg/l

Target: Freshwater sediments - Value: 3.73 mg/kg

Target: Marine water sediments - Value: 0.75 mg/kg

Target: Soil (agricultural) - Value: 0.705 mg/kg

#### 8.2. Exposure controls

##### Eye protection:

Use close fitting safety goggles, don't use eye lens.

##### Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

##### Protection for hands:

Wear chemical resistant gloves EN374-3, breakthrough times > 1 hour.

##### Respiratory protection:

Not needed for normal use.

##### Thermal Hazards:

None

##### Environmental exposure controls:

None

##### Appropriate engineering controls:

None

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## SECTION 9: Physical and chemical properties

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

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Properties	Value	Method:	Notes:
Appearance and colour:	liquid clearless	--	--
Odour:		--	--
Odour threshold:		--	--
pH:	N.A.	--	--
Melting point / freezing point:	N.A.	--	--
Initial boiling point and boiling range:	N.A.	--	--
Flash point:	>60 °C	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	N.A.	--	--
Upper/lower flammability or explosive limits:	N.A.	--	--
Vapour pressure:	N.A.	--	--
Vapour density:	N.A.	--	--
Relative density:	0.982 - 1.002 g/ml (20°C)	--	--
Solubility:	water	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	N.A.	--	--
Explosive properties:	N.A.	--	--
Oxidizing properties:	N.A.	--	--

9.2. Other information

Properties	Value	Method:	Notes:
Miscibility:	N.A.	--	--
Fat Solubility:	N.A.	--	--

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Conductivity:	N.A.	--	--
Substance Groups relevant properties	N.A.	--	--

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### SECTION 10: Stability and reactivity

- 10.1. Reactivity
  - Stable under normal conditions
- 10.2. Chemical stability
  - Stable under normal conditions
- 10.3. Possibility of hazardous reactions
  - None
- 10.4. Conditions to avoid
  - Stable under normal conditions.
- 10.5. Incompatible materials
  - None in particular.
- 10.6. Hazardous decomposition products
  - None.

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### SECTION 11: Toxicological information

- 11.1. Information on toxicological effects
  - Toxicological information of the mixture:
    - N.A.
  - Toxicological information of the main substances found in the mixture:
    - linalyl acetate - CAS: 115-95-7
      - a) acute toxicity:
        - Test: LD50 - Route: Oral - Species: Rat = 14.600 mg/kg
        - Test: LD50 - Route: Oral - Species: Mouse = 13.360 mg/kg
        - Test: LC50 - Route: Inhalation - Species: Mouse - Duration: 1.5H
        - Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg
      - b) skin corrosion/irritation:
        - Test: Skin Irritant - Route: Skin - Species: Human Negative
      - c) serious eye damage/irritation:
        - Test: Eye Irritant - Species: Rabbit Negative
      - j) aspiration hazard:
        - Test: Respiratory Tract Irritant - Species: Human Negative
    - 4-(2,6,6-Trimethylcyclohex-1-eneyl)-but-3-ene-2-one - CAS: 14901-07-6
      - a) acute toxicity:
        - Test: LD50 - Route: Oral - Species: Rat = 4.590 mg/kg
      - b) skin corrosion/irritation:
        - Test: Skin Irritant - Species: Rabbit Low irritant effect
        - Test: Eye Irritant - Species: Rabbit Low irritant effect
    - 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl) ethanone - CAS: 54464-57-2
      - a) acute toxicity:
        - Test: LD50 - Route: Oral - Species: Rat > 5.000 mg/kg
        - Test: LD50 - Route: Skin - Species: Rat > 5.000 mg/kg
    - 1-(1,2,3,5,6,7,8a-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one - CAS: 68155-66-8
      - a) acute toxicity:
        - Test: LD50 - Route: Oral - Species: Rat > 5.000 mg/kg
        - Test: LD50 - Route: Skin - Species: Rat > 5.000 mg/kg
    - (-)-Pin-2(3)-ene - CAS: 80-56-8
      - a) acute toxicity:
        - Test: LD50 - Route: Oral - Species: Rat = 2100 mg/kg
        - Test: LD50 - Route: Skin - Species: Rabbit = 5005 mg/kg

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Reaction mass of cis-a,a-4-trimethyl-cyclohexanemethanol-1-acetate / trans-a,a-4-trimethylcyclohexanemethanol-

1-acetate / cis-1-methyl-4-(1-methylethyl)-cyclohexanol-acetate  
/ trans-1-methyl-4-(1-methylethyl)-cyclohexanol-acetate

a) acute toxicity:

Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg

Phenol, 2-methoxy-4-propyl - CAS: 2785-87-7

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 2600 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit = 310 mg/kg

alpha-Methyl-1,3-benzodioxole-5-propionaldehyde - CAS: 1205-17-0

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 3600 mg/kg

alpha cedrene - CAS: 469-61-4

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg

hexyl salicylate - CAS: 6259-76-3

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5 g/kg

Test: LD50 - Route: Skin - Species: Rabbit > 5 g/kg

e) germ cell mutagenicity:

Test: Mutagenesis - Route: vitro - Species: Salmonella Typhimurium Negative

If not differently specified, the information required in Regulation (EU)2015/830 listed below must be considered as N.A.:

- a) acute toxicity;
- b) skin corrosion/irritation;
- c) serious eye damage/irritation;
- d) respiratory or skin sensitisation;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

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## SECTION 12: Ecological information

### 12.1. Toxicity

Adopt sound working practices, so that the product is not released into the environment.

4-(2,6,6-Trimethylcyclohex-1-eneyl)-but-3-ene-2-one - CAS: 14901-07-6

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Pimephales promelas = 5.09 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia magna (Water flea) = 4.03 mg/l - Duration h: 48 -

Notes: Metodo: OECD TG 202

Endpoint: EC50 - Species: Desmodesmus subspicatus (alga verde) = 22.9 mg/l - Duration h: 72 - Notes: Metodo: DIN 38412

1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl) ethanone - CAS: 54464-57-2

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Lepomis macrochirus (Fish-salt Bluegrill) = 1.30 mg/l -

Duration h: 96 - Notes: Metodo: OECD TG 203

Endpoint: EC50 - Species: Daphnia magna (Water flea) = 1.38 mg/l - Duration h: 48 -

Notes: Prova semistatica Metodo: OECD TG 202

Endpoint: EC50 - Species: Desmodesmus subspicatus (alga verde) = 2.60 mg/l - Duration h: 72 - Notes: Prova statica Metodo: OECD TG201

1-(1,2,3,5,6,7,8a-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one - CAS: 68155-66-8

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a) Aquatic acute toxicity:

Endpoint: LC50 - Species: *Lepomis macrochirus* (Fish-salt Bluegrill) = 1.30 mg/l -

Duration h: 96 - Notes: Metodo: OECD TG 203

Endpoint: EC50 - Species: *Daphnia magna* (Water flea) = 1.38 mg/l - Duration h: 48 -

Notes: Prova semistatica Metodo: OECD TG 202

Endpoint: EC50 - Species: *Desmodesmus subspicatus* (alga verde) = 2.60 mg/l - Duration

h: 72 - Notes: Prova statica Metodo: OECD TG201

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish = 0.16 mg/l - Notes: OECD 210

(-)-Pin-2(3)-ene - CAS: 80-56-8

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: *Pimephales promelas* = 0.28 mg/l - Duration h: 96

alpha cedrene - CAS: 469-61-4

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: *Daphnia magna* (Water flea) = 0.05 mg/kg

hexyl salicylate - CAS: 6259-76-3

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: *Daphnia* > 100 mg/l - Duration h: 96

12.2. Persistence and degradability

None

1-(1,2,3,5,6,7,8a-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one - CAS: 68155-66-8

Biodegradability: Non-readily biodegradable - Test: Biochemical oxygen demand -

Duration: 28d - %: 0 - Notes: Modified MITI Test

12.3. Bioaccumulative potential

N.A.

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects

None

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## SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

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## SECTION 14: Transport information



14.1. UN number

ADR-UN Number: 3082

IATA-UN Number: 3082

IMDG-UN Number: 3082

14.2. UN proper shipping name

ADR-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (4-(2,6,6-Trimethylcyclohex-1-eneyl)-but-3-ene-2-one, 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl) ethanone)

IATA-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (4-(2,6,6-Trimethylcyclohex-1-eneyl)-but-3-ene-2-one, 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)

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### **CALANE ALOE DETOX HAIR HYDRO AIAB**

	ethanone)	
	IMDG-Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (4-(2,6,6-Trimethylcyclohex-1-eneyl)-but-3-ene-2-one, 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl) ethanone)
14.3. Transport hazard class(es)		
ADR-Class:	9	
ADR - Hazard identification number:	90	
IATA-Class:	9	
IATA-Label:	9	
IMDG-Class:	9	
14.4. Packing group		
ADR-Packing Group:	III	
IATA-Packing group:	III	
IMDG-Packing group:	III	
14.5. Environmental hazards		
ADR-Environmental Pollutant:	Yes	
IMDG-Marine pollutant:	Marine Pollutant	
Most important toxic component:	1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl) ethanone	
14.6. Special precautions for user		
ADR-Subsidiary risks:	-	
ADR-S.P.:	274 335 375 601	
ADR-Tunnel Restriction Code:	(E)	
IATA-Passenger Aircraft:	964	
IATA-Subsidiary risks:	-	
IATA-Cargo Aircraft:	964	
IATA-S.P.:	A97 A158 A197	
IATA-ERG:	9L	
IMDG-EmS:	F-A , S-F	
IMDG-Subsidiary risks:	-	
IMDG-Storage category:	Category A	
IMDG-Storage notes:	-	
14.7. Transport in bulk according to Annex II of Marpol and the IBC Code		
N.A.		

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## **SECTION 15: Regulatory information**

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
- Dir. 98/24/EC (Risks related to chemical agents at work)
  - Dir. 2000/39/EC (Occupational exposure limit values)
  - Regulation (EC) n. 1907/2006 (REACH)
  - Regulation (EC) n. 1272/2008 (CLP)
  - Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
  - Regulation (EU) 2015/830
  - Regulation (EU) n. 286/2011 (ATP 2 CLP)
  - Regulation (EU) n. 618/2012 (ATP 3 CLP)
  - Regulation (EU) n. 487/2013 (ATP 4 CLP)
  - Regulation (EU) n. 944/2013 (ATP 5 CLP)
  - Regulation (EU) n. 605/2014 (ATP 6 CLP)
- Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

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Where applicable, refer to the following regulatory provisions :  
Directive 82/501/EEC ('Activities linked to risks of serious accidents') and subsequent amendments.  
Regulation (EC) nr 648/2004 (detergents).  
1999/13/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):  
N.A.  
15.2. Chemical safety assessment  
No

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#### SECTION 16: Other information

Text of phrases referred to under heading 3:

H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H411 Toxic to aquatic life with long lasting effects.  
H410 Very toxic to aquatic life with long lasting effects.  
H226 Flammable liquid and vapour.  
H302 Harmful if swallowed.  
H400 Very toxic to aquatic life.  
H304 May be fatal if swallowed and enters airways.  
H412 Harmful to aquatic life with long lasting effects.  
H311 Toxic in contact with skin.  
H301 Toxic if swallowed.  
H314 Causes severe skin burns and eye damage.

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

NIOSH - Registry of toxic effects of chemical substances (1983)  
I.N.R.S. - Fiche Toxicologique

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended. It's possible to contest the product not later than a week from its arrival. This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.

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LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
LTE:	Long-term exposure.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
WGK:	German Water Hazard Class.
Data:	Opera(MI) - Italy, 2/7/2018

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**CALANE ALOE DETOX HAIR HYDRATION**



### **Creative Flavours & Fragrances S.p.A. TECHNICAL SPECIFICATION**

Product type and use: mixture of aromatics substances with hydrosoluble solvents  
INCI name: parfum/fragrance  
ISS Formula Code: FGR62709 (website: [www.iss.it](http://www.iss.it) - company code 12546920153)

#### PRODUCT CHARACTERISTIC (\*)

Appearance: liquid clearless  
Colour: colourless  
Odour: characteristic  
Flash point: >60 °C  
Autoignition temperature: N.A.  
Relative density: 0.982 - 1.002 g/ml (20°C)  
Refraction index: 1.440 - 1.460 (20°C)  
Solubility: water  
Microbiological state: the fragrance is not subject for microbiological organism.  
pH (MA006): N.A.  
Melting point / freezing point: N.A.  
Solid/gas flammability: N.A.  
Explosive properties: N.A.  
Oxidizing properties: N.A.  
Vapour pressure: N.A.hPa  
Partition c. (n-octanol/H<sub>2</sub>O): N.A.

#### PACKING AND STORAGE:

Keep the product in its original container, well sealed, in a dry and ventilated area, with a temperature between 8 and 24°C (46.4/75.2°F) not more than 12 months. After 12 months, quality should be checked before use.

#### PRECAUTION:

Concentrated product for industrial use avoid contact with eyes and mucous. Do not drink.

\* NOTE: This data is based on information believed to be reliable. The chemical and physical values, olfactive note and colour were determined immediately after manufacture of the product. The colour and olfactive note, in some fragrance, can be change in second time for natural process of ageing. Alterations can result due to improper transport and/or improper storage. The certificate does not release the user from the responsibility of undertaking his own tests of the characteristics of the product and its suitability in the intended application.  
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Data: Opera(MI) - Italy, 2/7/2018



**Safety Data Sheet**  
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**CALANE ALOE DETOX HAIR HYDRATION**



**Creative Flavours & Fragrances S.p.A.**  
**SAFETY EVALUATION DATA FOR THE FRAGRANCE**

**ALLERGENIC SUBSTANCES (by ECHA Code of practice 2006 & Dir.2003/15/CEE):**

List of allergens	N°CAS	% used as such	% via essential oils	% total presence
Alpha Isomethyl Ionone	127-51-5	0.000	0.000	0.000
Amyl Cinnamal	122-40-7	0.000	0.000	0.000
Anise Alcohol	105-13-5	0.000	0.000	0.000
Benzyl Alcohol	100-51-6	0.000	0.000	0.000
Benzyl Benzoate	120-51-4	0.000	0.000	0.000
Benzyl Cinnamate	103-41-3	0.000	0.000	0.000
Benzyl Salicylate	118-58-1	0.000	0.000	0.000
Butylphenyl Methylpropional	80-54-6	0.000	0.000	0.000
Cinnamal	104-55-2	0.000	0.000	0.000
Cinnamyl Alcohol	104-54-1	0.000	0.000	0.000
Citral	5392-40-5	0.000	0.000	0.000
Citronellol	106-22-9	0.000	0.000	0.000
Coumarin	91-64-5	0.000	0.000	0.000
Eugenol	97-53-0	0.000	0.000	0.000
Farnesol	4602-84-0	0.000	0.000	0.000
Geraniol	106-24-1	0.000	0.000	0.000
Hexyl Cinnamal	101-86-0	0.000	0.000	0.000
Hydroxycitronellal	107-75-5	0.000	0.000	0.000
Hydroxyisohexyl 3-CyclohexeneCarboxaldehyde	31906-04-4	0.000	0.000	0.000
Isoeugenol	97-54-1	0.000	0.000	0.000
Limonene	5989-27-5	0.000	0.000	0.000
Linalool	78-70-6	0.000	0.000	0.000
Methyl 2-Octynoate	111-12-6	0.000	0.000	0.000
Evernia Prunastri (Oakmoss) Extract	90028-68-5	0.000	0.000	0.000
Evernia Furfuracea (Treemoss) Extract	90028-67-4	0.000	0.000	0.000
Amylcinnamyl Alcohol	101-85-9	0.000	0.000	0.000

The concentration of "0.000" means less than 10 ppm. These are calculated concentrations that do not replace the chromatographic quantification of individual lots.

The European Community authorities selected these ingredients, whose presence in cosmetic products should be made manifest to

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## **CALANE ALOE DETOX HAIR HYDRO AIAB**



inform end users, when exceeding these limits: 0.001% (10ppm) for "leave-on" products, 0.01% (100ppm) for "Rinse-off" products, and 0.01% (100ppm) for products in order to cleanse.

### **OTHERS DECLARATION**

#### **C.M.R SUBSTANCES**

The fragrances produced off CFF do not contain substances listed into category 1<sup>o</sup> e 2<sup>o</sup> off C.M.R. (Directive 2003/15/CE e 67/548/CEE - for cancerogenic, mutagenic and toxic substance for reproduction).

They can contain substance classificate into 3<sup>o</sup> category of C.M.R. list; in that case you can find them listed in section 3 of the datasheet.

#### **MUSK**

#### **THE PROHIBITED SUBSTANCE (Dir. 2008/42/CE of 3 april 2008, modification of dir. 76/768/CEE)**

We declare that the fragrances end essences, produced and distributed by us do not contain the substances listed into the Annex II to Directive 2008/42/CE of 3 april 2008, modification of dir. 76/768/CEE and subsequent amendments on the approximation of the laws of the Member States relating to cosmetic products.

All our documents are updated at the real time

#### **OGM**

The product doesn't contain any GMO (genetic modificate organism) or their derivatives according with reference to Commission Regulation (EC) n°1829/2003 and 1830/2003 and amendments.

#### **ANIMAL TESTING (Dir. 93/35/CEE)**

We declare that we not practice animal testing for our fragrances end essences (Dir. 93/35/CEE).

#### **BSE - TSE / DIOSSINA - PCBS**

In our product - fragrance we not used source materials from animals (with reference to the Note for Guidance EMEA/410/01 Rev. 2), it has been produced by natural vegetable and/or sintetic raw materials.

#### **IONISING RADIATION**

The product has not been treated with ionising radiation with reference to the Directives 1999/2/CE and 1999/3/CE.

#### **RESIDUAL SOLVENTS**

With reference to the Italian DL 64/93 and further modifications which acknowledge EEC Directive 88/344 and amendments the product doesn't contain any residual solvent not authorized or, if it does, they don't exceed the limit provided by law.

#### **RESIDUAL OF PESTICIDES**

With reference to the Council Directives 76/895/EEC, 86/362/EEC, 86/363/EEC which defines the maximum content of some pesticides in food-stuffs and amendments the product doesn't contain any contaminant not authorized or, if it does, it doesn't exceed the limit provided by law.

#### **RESIDUAL OF CONTAMINANTS**

With reference to the Regulation (CE) N.1881/2006 of the COMMISSION dated 19/12/2006, which defines the maximum content of some contaminants in food-stuffs and amendments the product doesn't contain any contaminant not authorized or, if it does, it doesn't exceed the limit provided by law.

#### **HEAVY METALS**

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With reference to the EEC DIRECTIVE 88/388 and further modifications, Italian DL 107/92 and further modifications the product doesn't contain any residual heavy metal in quantity higher than the indicated (As < 3 mg/kg; Pb < 10 mg/kg; Hg < 1 mg/k; Cd < 1 mg/kg)

#### LABELLING INFORMATION:

Council Directive 67/548/EEC (Classification, packaging and labelling of dangerous substances) and subsequent amendments. Council Directive 1999/45/EC (Classification, packaging and labelling of dangerous preparations) and subsequent amendments. Commission Directive 98/24/EC (Protection of the health and safety of workers from the risk related to chemical agent). Commission Directive 2000/39/EC (Occupational exposure limit values). Regulation (EC) No 1907/2006 (REACH). Regulation (EC) No 1272/2008 (CLP) (Annex VI). Regulation (EC) No 790/2009 (Annex IV, Annex V).

Hazard pictograms:



Warning

Hazard statements:

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.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P391 Collect spillage.

P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

None

Contents:

linalyl acetate

Tetrahydrolinalool: May produce an allergic reaction.

1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl) ethanone: May produce an allergic reaction.

alpha-Methylcinnamaldehyde: May produce an allergic reaction.

1-(1,2,3,4,6,7,8,8a-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one: May produce an allergic reaction.

1-(1,2,3,5,6,7,8a-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one: May produce an allergic reaction.

(-)-Pin-2(3)-ene: May produce an allergic reaction.

Reaction mass of cis-a,a-4-trimethyl-cyclohexanemethanol-1-acetate / trans-a,a-4-trimethylcyclohexanemethanol-

1-acetate / cis-1-methyl-4-(1-methylethyl)-cyclohexanol-acetate

/ trans-1-methyl-4-(1-methylethyl)-cyclohexanol-acetate: May produce an allergic reaction.

Phenol, 2-methoxy-4-propyl: May produce an allergic reaction.

alpha-Methyl-1,3-benzodioxole-5-propionaldehyde: May produce an allergic reaction.

3-p-Methoxyphenyl-2-methylpropionate: May produce an allergic reaction.

hexyl salicylate: May produce an allergic reaction.

NOTA: This document was processed automatically and therefore has no signature.

Data:

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