

Safety Data Sheet

FGR13193

P38 BALSAMIC LEAVES FIX AF



Safety Data Sheet dated 7/1/2019, version 4

Data di stampa 7/1/2019

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

1.1. Product identifier

Mixture identification:

Trade code: FGR13193

Trade name: P38 BALSAMIC LEAVES FIX AF

INCI name: parfum/fragrance

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

Recommended use:

Ingredient for the formulation of mixtures in the detergent, cosmetic and plastic sectors. For ONLY industrial use. Not intended for ingestion.

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, Flam. Liq. 3, Flammable liquid and vapour.
- ⚠ 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:

H226 Flammable liquid and vapour.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

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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.

P370+P378 In case of fire: Use ... to extinguish.

Special Provisions:

None

Contents:

Eucalyptol

trans-menthone : May produce an allergic reaction.

Oxacyclohexadecan-2-One: May produce an allergic reaction.

(ethoxymethoxy) cyclododecane: May produce an allergic reaction.

cis-5-Methyl-2-(1-methylethyl)cyclohexanone: May produce an allergic reaction.

Tetrahydrolinalool: May produce an allergic reaction.

1-methoxy-4-(1-propenyl) benzene: May produce an allergic reaction.

linalyl acetate: 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
30% - 40%	Eucalyptol	CAS: 470-82-6 EC: 207-431-5 REACH 01- No.: 21199677 72-24- 0000	⚠ 2.6/3 Flam. Liq. 3 H226 ⚠ 3.4.2/1B Skin Sens. 1B H317
3% - 5%	L-Menthol	CAS: 2216-51-5 EC: 218-690-9 REACH 01- No.: 21194588 66-21- xxxx	⚠ 3.2/2 Skin Irrit. 2 H315 ⚠ 3.3/2 Eye Irrit. 2 H319
1% - 3%	trans-menthone	CAS: 89-80-5 EC: 201-941-1 REACH LAWFULL No.: Y ON MARKET	⚠ 3.2/2 Skin Irrit. 2 H315 ⚠ 3.4.2/1 Skin Sens. 1 H317

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			ANTE 2018	
0.5% - 1%	Oxacyclohexadecan-2-One	CAS: EC: REACH No.:	106-02-5 203-354-6 01- 21199873 23-31	⚠ 3.4.2/1B Skin Sens. 1B H317 ⚠ 4.1/C2 Aquatic Chronic 2 H411
0.5% - 1%	6-Acetyl-1,1,2,4,4,7-hexamethyl-tetralin	CAS: EC: REACH No.:	1506-02-1 216-133-4 01- 21195394 33-40- 0000	⚠ 3.1/4/Oral Acute Tox. 4 H302 ⚠ 4.1/C1 Aquatic Chronic 1 H410
0.5% - 1%	(ethoxymethoxy) cyclododecane	CAS: EC: REACH No.:	58567- 11-6 261-332-1 01- 21199715 71-34- xxxx	⚠ 3.2/2 Skin Irrit. 2 H315 ⚠ 3.4.2/1B Skin Sens. 1B H317 ⚠ 4.1/C2 Aquatic Chronic 2 H411
0.25% - 0.5%	Camphene	CAS: EC: REACH No.:	79-92-5 201-234-8 01- 21194462 93-40- 0002	⚠ 2.7/1 Flam. Sol. 1 H228 ⚠ 3.3/2 Eye Irrit. 2 H319 ⚠ 4.1/C1 Aquatic Chronic 1 H410
0.25% - 0.5%	cis-5-Methyl-2-(1-methylethyl) cyclohexanone	CAS: EC:	491-07-6 207-727-4	⚠ 3.2/2 Skin Irrit. 2 H315 ⚠ 3.4.2/1 Skin Sens. 1 H317
0.25% - 0.5%	Tetrahydrolinalool	CAS: EC: REACH No.:	78-69-3 201-133-9 01- 21194547 88-21- 0000	⚠ 3.2/2 Skin Irrit. 2 H315 ⚠ 3.4.2/1B Skin Sens. 1B H317 ⚠ 3.3/2 Eye Irrit. 2 H319
0.1% - 0.25%	alpha cedrene	CAS:	469-61-4	⚠ 4.1/A1 Aquatic Acute 1 H400 M=10.

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			<p>4.1/C1 Aquatic Chronic 1 H410 M=10.</p> <p>3.10/1 Asp. Tox. 1 H304</p>
0.1% - 0.25%	1-methoxy-4-(1-propenyl) benzene	<p>CAS: 4180-23-8</p> <p>EC: 224-052-0</p> <p>REACH No.: 01-21199790</p> <p>97-22-0000</p>	<p>3.4.2/1 Skin Sens. 1 H317</p> <p>4.1/C2 Aquatic Chronic 2 H411</p>
0.1% - 0.25%	linalyl acetate	<p>CAS: 115-95-7</p> <p>EC: 204-116-4</p> <p>REACH No.: 01-21194547</p> <p>89-19-0000</p>	<p>3.2/2 Skin Irrit. 2 H315</p> <p>3.4.2/1B Skin Sens. 1B H317</p> <p>3.3/2 Eye Irrit. 2 H319</p>
0.1% - 0.25%	(1-Methyl-2-(1,2,2-trimethylbicyclo[3.1.0]-hex-3-ylmethyl) cyclopropyl) methanol	<p>CAS: 198404-98-7</p> <p>EC: 427-900-1</p> <p>REACH No.: 01-00000174</p> <p>24-73-0003</p>	<p>4.1/A1 Aquatic Acute 1 H400</p> <p>4.1/C1 Aquatic Chronic 1 H410</p>

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).

EC: 207-418-4

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Treatment:
None

SECTION 5: Firefighting measures

- 5.1. Extinguishing media
 - Suitable extinguishing media:
 - In case of fire: Use ... to extinguish.
 - Extinguishing media which must not be used for safety reasons:
 - None in particular.
- 5.2. Special hazards arising from the substance or mixture
 - 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.

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

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 containers tightly closed in a cool, dry place away from direct sunlight
 - Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.
 - Keep away from food, drink and feed.
 - Incompatible materials:
 - None in particular.
 - Instructions as regards storage premises:
 - Cool and adequately ventilated.
- 7.3. Specific end use(s)
 - None in particular

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No occupational exposure limit available

DNEL Exposure Limit Values

N.A.

PNEC Exposure Limit Values

N.A.

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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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:	59.00 °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.	--	--

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Relative density:	0.969 - 0.989 (D20/20)	--	--
Solubility:	ethanol, oils and fats	--	--
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.	--	--
Conductivity:	N.A.	--	--
Substance Groups relevant properties	N.A.	--	--

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
 - Avoid contact with combustible materials. The product could catch fire.
- 10.6. Hazardous decomposition products
 - None.

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:
 - L-Menthol - CAS: 2216-51-5

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a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 2602 mg/kg

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

Oxacyclohexadecan-2-One - CAS: 106-02-5

a) acute toxicity:

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

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

6-Acetyl-1,1,2,4,4,7-hexamethyl-tetralin - CAS: 1506-02-1

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 964 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit = 6740 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

1-methoxy-4-(1-propenyl) benzene - CAS: 4180-23-8

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 2090 mg/kg

Test: LD50 - Route: Oral - Species: Mouse = 3050 mg/kg

Test: LD50 - Route: Oral - Species: Guinea pig = 2160 mg/kg

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

b) skin corrosion/irritation:

Test: Eye Irritant - Route: N.A. - Species: Rabbit Low irritant effect

Test: Skin Irritant - Route: Skin - Species: Guinea pig Low irritant effect

d) respiratory or skin sensitisation:

Test: Skin Sensitization - Route: Skin - Species: Guinea pig Negative

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

(1-Methyl-2-(1,2,2-trimethylbicyclo[3.1.0]-hex-3-ylmethyl)cyclopropyl)methanol - CAS: 198404-98-7

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 2.000 mg/kg

Test: LD50 - Route: Skin - Species: Rat > 2.000 mg/kg

b) skin corrosion/irritation:

Test: Skin Irritant - Route: Skin - Species: Rabbit Negative

Test: Eye Irritant - Route: N.A. - Species: Rabbit Negative

d) respiratory or skin sensitisation:

Test: Skin Sensitization - Route: Skin - Species: Human Negative - Notes: @ 4% in ftalato di metile

Test: Skin Sensitization - Route: Skin - Species: Guinea pig Negative

e) germ cell mutagenicity:

Test: Genotoxicity - Route: vitro - Species: Generic Bacteria Negative

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

a) acute toxicity;

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- 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.

SECTION 12: Ecological information

12.1. Toxicity

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

alpha cedrene - CAS: 469-61-4

a) Aquatic acute toxicity:

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

1-methoxy-4-(1-propenyl) benzene - CAS: 4180-23-8

a) Aquatic acute toxicity:

Endpoint: EC0 - Species: Brachydanio rerio = 4.8 mg/l - Duration h: 96

(1-Methyl-2-(1,2,2-trimethylbicyclo[3.1.0]-hex-3-ylmethyl)cyclopropyl)methanol - CAS: 198404-98-7

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Cyprinus carpio (carp) = 1 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia magna (Water flea) = 0.38 mg/l - Duration h: 48

Endpoint: EC50 - Species: Selenastrum capricornutum (green algae) = 1 mg/l - Duration h: 72

12.2. Persistence and degradability

None

N.A.

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

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information



14.1. UN number

ADR-UN Number: 1266

IATA-UN Number: 1266

IMDG-UN Number: 1266

14.2. UN proper shipping name

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ADR-Shipping Name:	PERFUMERY PRODUCTS with flammable solvents
IATA-Shipping Name:	PERFUMERY PRODUCTS with flammable solvents
IMDG-Shipping Name:	PERFUMERY PRODUCTS with flammable solvents
14.3. Transport hazard class(es)	
ADR-Class:	3
ADR - Hazard identification number:	-
IATA-Class:	3
IATA-Label:	3
IMDG-Class:	3
14.4. Packing group	
ADR-Packing Group:	III
IATA-Packing group:	III
IMDG-Packing group:	III
14.5. Environmental hazards	
ADR-Environmental Pollutant:	No
IMDG-Marine pollutant:	No
14.6. Special precautions for user	
ADR-Subsidiary risks:	-
ADR-S.P.:	163
ADR-Tunnel Restriction Code:	(E)
IATA-Passenger Aircraft:	355
IATA-Subsidiary risks:	-
IATA-Cargo Aircraft:	366
IATA-S.P.:	A3 A72
IATA-ERG:	3L
IMDG-EmS:	F-E, S-D
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.	

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:
- Where applicable, refer to the following regulatory provisions :
- Directive 82/501/EEC ('Activities linked to risks of serious accidents') and subsequent amendments.

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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

SECTION 16: Other information

Text of phrases referred to under heading 3:

H226 Flammable liquid and vapour.

H317 May cause an allergic skin reaction.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

H302 Harmful if swallowed.

H410 Very toxic to aquatic life with long lasting effects.

H228 Flammable solid.

H400 Very toxic to aquatic life.

H304 May be fatal if swallowed and enters airways.

The next paragraph were modificate:

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

SECTION 3: Composition/information on ingredients

SECTION 9: Physical and chemical properties

SECTION 14: Transport information

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.

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KSt:	Explosion coefficient.
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, 7/1/2019

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

Product type and use: mixture of natural oils and synthetic raw materials for use in perfumery for cosmetics, alcoholic perfumery and detergents.
INCI name: parfum/fragrance
ISS Formula Code: FGR13193 (website: www.iss.it - company code 12546920153)

PRODUCT CHARACTERISTIC (*)

Appearance: liquid clearless
Colour: from colourless to pale
Odour: characteristic
Flash point: 59.00 °C
Autoignition temperature: N.A.
Relative density: 0.969 - 0.989 (D20/20)
Refraction index: 1.443 - 1.463 (20°C)
Solubility: ethanol, oils and fats
Microbiological state: the fragrance is not subject for microbiological organism.
Anti-oxydants and preservatives: phenoxy ethyl alcohol °(0.0018%), bht (0.0002%)
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/H2O): 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.
This document was processed automatically and therefore has no signature.

Data: Opera(MI) - Italy, 7/1/2019

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

ALLERGENI (EFFA Code of practice 2006 & EC 1223/2009 All. III and its amendments):

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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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

CMR in compliance with Art. 15 of Reg. UE 1223/2009.

MUSK

Polycyclic musk:	present
Nitromusk:	none

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 rew 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

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

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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:

- H226 Flammable liquid and vapour.
- H317 May cause an allergic skin reaction.
- H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- 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.
- P370+P378 In case of fire: Use ... to extinguish.

Special Provisions:

None

Contents:

- Eucalyptol
- trans-menthone : May produce an allergic reaction.
- Oxacyclohexadecan-2-One: May produce an allergic reaction.
- (ethoxymethoxy) cyclododecane: May produce an allergic reaction.
- cis-5-Methyl-2-(1-methylethyl)cyclohexanone: May produce an allergic reaction.
- Tetrahydrolinalool: May produce an allergic reaction.
- 1-methoxy-4-(1-propenyl) benzene: May produce an allergic reaction.
- linalyl acetate: May produce an allergic reaction.

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

Data:

Opera(MI) - Italy, 7/1/2019