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CERTIFICAT D'ANALYSE / ANALYSIS CERTIFICATE

Bergamote (HE) Bio
Citrus aurantium ssp bergamia

Italie

Lot N° **58915**

Produit 100% pur et naturel / Product 100% pure and natural
Produit Issu de l'agriculture biologique certifié par FR-BIO-01

Date Analyse 18/02/2020

Données physiques / Physical data		déterminées à 20°C / determined at 20°C
Densité / Specific gravity	0.876	Indice d'acide
Indice de réfraction / Refractive index	1.4665	Indice de peroxyde
Pouvoir rotatoire / Optical rotation	+29°	Indice iode

Principaux composants / Main components (* : reconnu allergisant / recognized as allergen)

Composants	**Taux / %**
Beta Pinène	7.00
Sabinène	0.87
beta-Myrcène	1.08
Limonène*	41.16
Gamma terpinène	6.40
Furfural	Nd
Linalol *	10.36
Linalyl acetate	27.21
Beta Caryophyllène	0.32
Neral	0.22
Neryl acetate	0.47
Beta bisabolene	0.40
Acétate de geranyle	0.43
Geranial	0.33
Safrole	Nd
Alpha pinène	1.00
Paracymène	0.21

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CERTIFICAT D'ANALYSE / ANALYSIS CERTIFICATE

Methyl chavicol	ND
Citronellol *	0.03
Géraniol *	0.04
Méthyl eugénol	ND

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TECHNICAL DATA SHEET / FICHE TECHNIQUE

Huile essentielle de Bergamote, Bio, Italie
Bergamot essential oil, organic, Italy
Citrus aurantium ssp bergamia
Code Produit : 10042

Directives CE 91/55/CEE, Règlement CE n°1907/2006 (annexe II, article 31 : REACH), Code of Practice 2008-EFFA

METHOD OF EXTRACTION / MÉTHODE D'OBTENTION

Common name/Nom commercial:	Bergamote (HE) Bio / Bergamot Organic Essential Oil
Organic Proportion / Pourcentage Bio :	100,00 %
Certification ECOCERT :	AB
Geographic origin of the plant/Origine géographique de la plante :	Italie / Italy
Method of growing/Croissance:	Growing, certification non GMO/Culture, certifiée non OGM
Method of extraction/Méthode d'obtention:	Cold pression/Expression à froid
Distilled part/Partie distillée :	Fresh pericarp/Péricarpe frais

ORGANOLEPTIC PROPERTIES / PROPRIETES ORGANOLEPTIQUES

Appearance/Aspect :	Mobile and clear liquid, sometimes sediment/Liquide mobile, limpide présentant quelquefois un c
Color/Couleur :	Green to yellow, green to dark green/Vert à jaune, Vert à vert sombre
Odor/Odeur :	Pleasant, cool as bergamot orange's cool pericarp/Agréable, fraîche rappelant celle du péricarpe frais de bergamote

PHYSICO-CHEMICAL PROPERTIES / CARACTERISTIQUES PHYSICO-CHIMIQUES

Specific gravity/Densité :	[0,874 ... 0,883]	***Peroxyd value/Indice peroxyde :***	
Refractive index /Indice de réfraction :	[1,465 ... 1,470]	***Acid value/Indice acide :***	
Optical rotation/Pouvoir rotatoire :	[15,000 ... 32,000] °	***INS/Indice saponification :***	
Flash point/Point éclair :	59,00 °C	***Anisidin value/Indice anisidine :***	

MAIN COMPONENTS / PRINCIPAUX COMPOSANTS

Composés	Concentration (%)		N°CAS	N°EINECS
	Min	Max		
Limonène*	30,00 %	45,00 %	5989-27-5	227-813-5
Linalyl acetate	22,00 %	36,00 %	115-95-7	204-116-4
Linalol *	3,00 %	15,00 %	78-70-6	201-134-4
Gamma terpinène	6,00 %	10,00 %	99-85-4	202-794-6
Beta Pinène	5,50 %	9,50 %	127-91-3	204-872-5

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LEGISLATION / LEGISLATION

CNS, Natural Complex Substances/ SNC, Substance Naturelle Complexe:	100% pure and natural/100% pure et naturelle
Latin Name / Nom Latin :	Citrus aurantium ssp bergamia
INCI CTFA Name :	CITRUS AURANTIUM BERGAMIA (BERGAMOT) PEEL OIL*
N° CAS TSCA :	8007-75-8
N° CAS EINECS:	89957-91-5
N°EINECS :	289-612-9
N°FEMA :	2153
N°CoE :	137
N°FDA :	182.20

REGULATORY INFORMATIONS / INFORMATIONS REGLEMENTAIRES

HAZARDS IDENTIFICATION / IDENTIFICATION DES DANGERS :

List of classes and hazard categories / Liste des classes et catégories de danger (Règlement (CE) n° 1272/2008)

H226 : Flammable liquid and vapour/Liquide et vapeurs inflammables
H315 : Causes skin irritation/Provoque une irritation cutanée
H317 : May cause an allergic skin reaction/Peut provoquer une allergie cutanée
H304: May be fatal if swallowed and enters airways/Peut être mortel en cas d'ingestion et de pénétration dans les voies respiratoires
H410: Very toxic to aqaquatic life with long lasting effects/Très toxique pour les organismes aquatiques, entraîne des effets à long terme

List of safety recommendations / Liste des conseils de prudence (Règlement (CE) n° 1272/2008)

P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking/Tenir à l'écart de la chaleur/des étincelles/des flammes nues/des surfaces chaudes – Ne pas fumer.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray/Éviter de respirer les poussières/fumées/gaz/brouillards/vapeurs/aérosols.
P264: Wash your hands thoroughly after handling/Se laver les mains soigneusement après manipulation.
P272: Contaminated work clothing should not be allowed out of the workplace/Les vêtements de travail contaminés ne devraient pas sortir du lieu de travail.
P273: Avoid release to the environment/Eviter le rejet dans l'environnement.
P280: Wear protective gloves/protective clothing/eye protection/face protection/Porter des gants de protection/des vêtements de protection/un équipement de protection des yeux/du visage
P301 + P310 : IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician/EN CAS D'INGESTION: Appeler immédiatement un CENTRE ANTIPOISON ou un médecin.
P302 + P352 : IF ON SKIN: Wash with soap and water/EN CAS DE CONTACT AVEC LA PEAU : laver abondamment à l'eau et au savon.
P303 + P361 + P353 : IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower/EN CAS DE CONTACT AVEC LA PEAU (ou les cheveux) : enlever immédiatement les vêtements contaminés. Rincer à l'eau/se doucher.
P331: Do NOT induce vomiting/NE PAS faire vomir.
P333 + P313 : If skin irritation or a rash occurs: Get medical advice/attention/En cas d'irritation ou d'éruption cutanée : consulter un médecin.
P362: Take off contaminated clothing and wash before reuse/Enlever les vêtements contaminés et les laver avant réutilisation.
P403 + P235: Store in a well ventilated place. Keep cool/Stocker dans un endroit bien ventilé. Tenir au frais.
P501: Dispose of contents/container in accordance with local/regional/national/international regulations/Eliminer le contenu/récipient conformément aux législations en vigueur.

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SUBSTANCE CLASSIFICATION CMR (CARCINOGENIC, MUTAGENIC, TOXIC FOR REPRODUCTION) / CLASSIFICATION SUBSTANCE CMR (CARCERONOGENE, MUTAGENE, TOXIQUE POUR LA REPRODUCTION) :

Not regulated/Non réglementé

HANDLING, STORAGE AND SHELF LIFE / MANIPULATION, STOCKAGE ET DURÉE DE VIE

Handling/Manipulation : Wear safety glasses, gloves and apron when handling.Do not ingest. Keep away from food/beverage. Do not smoke near. Do not breathe hot vapors. Do not heat at open flame or expose vapors to a flame or ignition sources. Work in a well-ventilated area./Porter des lunettes de protection, des gants et une blouse pendant l'utilisation. Eviter le contact avec le produit. Ne pas ingérer. Tenir éloigné de toute nourriture/boisson. Ne pas fumer à proximité. Ne pas respirer les vapeurs. Ne pas chauffer à flamme nue, ni exposer les vapeurs à une flamme ou à une autre source d'ignition. Une bonne aération des locaux est souhaitable.

Storage/Stockage : Do not store in close proximity to heat, sparks, open flames, strong acids, strong bases. To minimise product degradation, avoid prolonged exposure of the material to air. Keep container tightly closed when not in use./Ne pas conserver à proximité d'une source de chaleur, étincelles, flammes, acides et bases fortes. Pour minimiser la dégradation du produit, éviter l'exposition prolongée à l'air. Garder l'emballage hermétiquement fermé quand non utilisé.

Shelf life/Péremption : 24 months/mois

TRANSPORT

Transport par route ADR/RID : UN 1169, Class/Classe 3, Packing group/Groupe d'emballage III

Transport maritime IMDG : UN 1169, Class/Classe 3, Packing group/Groupe d'emballage III

Polluant marin : Yes/Oui

Transport aérien IATA : UN 1169, Class/Classe 3, Packing group/Groupe d'emballage III

COSMETIC REQUIREMENTS & RESTRICTIONS / EXIGENCES & RESTRICTIONS PRODUITS COSMETIQUES

Code of Practice IFRA 48th Amendment: Fragrance and flavor use/Agent parfumant et aromatisant

Allergens/Allergènes: The presence of allergens in the finished product must be indicated by labeling if their concentration exceeds the respective 100 ppm in rinsed products and 10 ppm in a non-rinsed. (7th Amendment European Cosmetic Directive 2003/15/EC)/ La présence de substances allergènes dans un produit fini doit être indiquée par voie d'étiquetage si leur concentration respective dépasse 100 ppm dans un produit rincé et 10 ppm dans un produit non rincé. (7ème amendement Directive Cosmétique Européenne 2003/15/CE)

Limonène* [30.00...45.00],Linalol * [3.00...15.00],Citral (neral + geranial) * [0.03...0.75],Géraniol * [0.03...0.05]

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CERTIFICAT ALLERGÈNES COSMETIQUES
COSMETIC ALLERGENS CERTIFICATE

Selon Règlement (CE) n° 1223/2009 du parlement européen et du conseil du 30 novembre 2009 relatif aux produits cosmétiques /
According to Regulation (EC) n°1223/2009 of the European Parliament and the Council of 30 November 2009 on cosmetic products.

Huile essentielle Bergamote, Bio, Italie
CITRUS AURANTIUM BERGAMIA PEEL OIL*

Code article / Article code 10042

SUBSTANCE / SUBSTANCE	NOM INCI /INCI NAME	N°CAS / CAS NUMBER	CONCENTRATION MAXIMALE / MAXIMUM CONCENTRATION (%)	ALLERGENES ETIQUETABLES SI PRODUIT FINI (OUI / NON)
Gamma methyl ionone (3-methyl-4 (2,6,6-trimethyl-2-cyclohexen-1-yl) -3-buten-2-one)	Alpha isomethyl Ionone	127-51-5	/	
Amyl cinnamal	Amyl Cinnamal	122-40-7	/	
Amylcinnamyl alcohol	Amylcinnamyl Alcohol	101-85-9	/	
Anisyl alcohol	Anise Alcohol	105-13-5	/	
Benzy alcohol	Benzyl Alcohol	100-51-6	/	
Benzyl benzoate	Benzyl Benzoate	120-51-4	/	
Benzyl cinnamate	Benzyl Cinnamate	103-41-3	/	
Salicylate de benzyle	Benzyl Salicylate	118-58-1	/	
2-methyl-3-(4-1(1,1-dimethylethyl) phenyl)propanal lilial)	Butylphenyl Methylpropional	80-54-6	/	
Cinnamal	Cinnamal	104-55-2	/	
Alcool cinnamique	Cinnamyl Alcohol	104-54-1	/	
Citral (Géranial+Néral)	Citral	5392-40-5	0,75	
Citronellol	Citronellol	106-22-9	/	
Coumarine	Coumarin	91-64-5	/	
Eugénol	Eugenol	97-53-0	/	
Mousse d'arbre	Evernia Furfuracea (Treemoss) extract	90028-67-4	/	
Mousse de chêne	Evernia Prunasti (Oakmoss)	90028-68-5	/	
Farnésol	Farnesol	4602-84-0	/	
Géraniol	Geraniol	106-24-1	0,05	
Hexyl cinnamaldéhyde	Hexyl cinnamal	101-86-0	/	
Hydroxycitronellal	Hydroxycitronellal	107-75-5	/	
Hydroxymethylpenthylcyclohexenecarboxaldehyde (lyral)	Hydroxyisohexyl 3-cyclohexene carboxaldehyde	31906-04-4	/	
Isoeugénol	Isoeugenol	97-54-1	/	
Limonène	Limonene	5989-27-5	45	
Linalol	Linalool	78-70-6	15	
Methyl heptine carbonate	Methyl 2-octynoate	111-12-6	/	

**Ingrédient issu de l'Agriculture Biologique*

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CERTIFICATE OF CONFORMITY OF FRAGRANCE MIXTURES WITH IFRA STANDARDS

This certificate assesses the conformity of the fragrance mixture with IFRA Standards and provides restrictions for use as necessary. It is based only on those materials subject to IFRA Standards for the toxicity endpoint(s) described in each Standard.

This certificate does therefore not replace a comprehensive safety assessment of the fragrance mixture.

SCOPE OF THE CERTIFICATE:

Product: Bergamot essential oil, organic, Italy

Product code: 10042

Compulsory information:

We certify that the above mixture is in compliance with the Standards of the INTERNATIONAL FRAGRANCE ASSOCIATION (IFRA), up to and including the 49th Amendment to the IFRA Code of Practice (published January, 2020) provided it is used in the following class(es) at a maximum concentration level of:

IFRA Category(ies) [see Table 10 in Guidance for the use of IFRA Standards for details]	Level of use (%)*	Product application
Category 1	0.4 %	Lip Products of all types (solid and liquid lipsticks, balms, clear or colored, etc.) Children's toys
Category 2	0.4 %	Deodorant and antiperspirant products of all types including any product with intended or reasonably foreseeable use on the axillae or labelled as such (spray, stick, roll-on, under-arm, deocologne, etc.) Body sprays (including body mist)
Category 3	0.4 %	Eye products of all types (eye shadow, mascara, eyeliner, eye make-up, eye masks, eye pillows, etc.) including eye care and moisturizer Facial make up and foundation Make-up remover for face and eyes Nose pore strips Wipes or refreshing tissues for face, neck, hands, body Body and face paint (for children and adults) Facial masks for face and around the eyes
Category 4	0.4 %	Hydroalcoholic and non-hydroalcoholic fine fragrance of all types (Eau de Toilette, Parfum, Cologne, solid perfume, fragrancing cream, aftershaves of all types,

Disclaimer: This Certificate provides restrictions for use of the specified product based only on those materials restricted by IFRA Standards for the toxicity endpoint(s) described in each Standard. This Certificate does not provide certification of a comprehensive safety assessment of all product constituents. This certificate is the responsibility of the fragrance supplier issuing it. It has not been prepared or endorsed by IFRA in anyway.

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		etc.) Fragranced bracelets Ingredients of perfume kits and fragrance mixtures for cosmetic kits Scent pads, foil packs Scent strips for hydroalcoholic products
Category 5A	0.4 %	Body creams, oils, lotions of all types Foot care products (creams and powders) Insect repellent (intended to be applied to the skin) All powders and talc (excluding baby powders and talc)
Category 5B	0.4 %	Facial toner Facial moisturizers and creams
Category 5C	0.4 %	Hand cream Nail care products including cuticle creams, etc. Hand sanitizers
Category 5D	0.4 %	Baby cream/lotion, baby oil, baby powders and talc
Category 6	0.4 %	Toothpaste Mouthwash, including breath sprays Toothpowder, strips, mouthwash tablets
Category 7A	100 %	Hair permanent or other hair chemical treatments (rinse-off) (e.g. relaxers), including rinse-off hair dyes
Category 7B	0.4 %	Hair sprays of all types (pumps, aerosol sprays, etc.) Hair styling aids non sprays (mousse, gels, leave- on conditioners) Hair permanent or other hair chemical treatments (leave-on) (e.g. relaxers), including leave-on hair dyes Shampoo - Dry (waterless shampoo) Hair deodorizer
Category 8	0.4 %	Intimate wipes Tampons Baby wipes Toilet paper (wet)
Category 9	100 %	Bar soap Shampoo of all type Cleanser for face (rinse-off) Conditioner (rinse-off) Liquid soap Body washes and shower gels of all types Baby wash, bath, shampoo Bath gels, foams, mousses, salts, oils and other products added to bathwater Foot care products (feet are placed in a bath for soaking) Shaving creams of all types (stick, gels, foams, etc.) All depilatories (including facial) and waxes for mechanical hair removal Shampoos for pets
Category 10A	100 %	Hand wash laundry detergent (including concentrates) Laundry pre-treatment of all types (e.g.paste, sprays, sticks) Hand dishwashing detergent (including concentrates)

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		Hard surface cleaners of all types (bathroom and kitchen cleansers,furniture polish, etc.) Machine laundry detergents with skin contact (e.g. liquids, powders) including concentrates Dry cleaning kits Toilet seat wipes Fabric softeners of all types including fabric softener sheets Household cleaning products, other types including fabric cleaners, soft surface cleaners, carpet cleaners, furniture polishes sprays and wipes, leather cleaning wipes, stain removers, fabric enhancing sprays, treatment products for textiles (e.g. starch sprays, fabric treated with fragrances after wash, deodorizers for textiles or fabrics) Floor wax Fragranced oil for lamp ring, reed diffusers, pot-pourri, liquid refills for air fresheners (non-cartridge systems), etc. Ironing water (Odorized distilled water)
Category 10B	0.4 %	Animal sprays – sprays applied to animals of all types Air freshener sprays, manual, including aerosol and pump Aerosol/spray insecticides
Category 11A	100 %	Feminine hygiene conventional pads,liners, interlabial pads Diapers (baby and adult) Adult incontinence pant, pad Toilet paper (dry)
Category 11B	0.4 %	Tights with moisturizers Scented socks, gloves Facial tissues (dry tissues) Napkins Paper towels Wheat bags Facial masks (paper/protective) e.g.surgical masks not used as medicaldevice Fertilizers, solid (pellet or powder)
Category 12	100 %	Candles of all types (including encased) Laundry detergents for machine wash with minimal skin contact (e.g. Liquid tabs, pods) Automated air fresheners and fragrancing of all types (concentrated aerosol with metered doses (range 0.05-0.5mL/spray), plug-ins, closed systems, solid substrate, membrane delivery, electrical, powders, fragrancing sachets, incense, liquid refills (cartridge), air freshening crystals) Air delivery systems Cat litter Cell phone cases Deodorizers/maskers not intended for skin contact (e.g. fabric drying machine deodorizers, carpet powders) Fuels Insecticides (e.g. mosquito coil, paper, electrical, for clothing) excluding aerosols/sprays

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		Joss sticks or incense sticks Dishwash detergent and deodorizers – for machine wash Olfactive board games Paints Plastic articles (excluding toys) Scratch and sniff Scent pack Scent delivery system (using dry air technology) Shoe polishes Rim blocks (Toilet)

*Actual use level or maximum use level

For other kinds of application or use at higher concentration levels, a new evaluation may be needed; please contact PURUS: office@purus.bg | +359 882 555 500.

Information about presence and concentration of fragrance ingredients subject to IFRA Standards in the fragrance mixture (Bergamot essential oil, organic, Italy) is as follows:

Materials under the scope of IFRA Standards	CAS-No.	Recommendation from IFRA Standard:	Concentration (%) in fragance mixture or finished product
Estragole	140-67-0 1407-27-8 77525-18-9	Restricted	0.1
Citral	106-26-3 141-27-5 5392-40-5	Restricted	0.75
α-Bisabolol	515-69-5 23089-26-1 23178-88-3 78148-59-1 76738-75-5 72691-24-8	Restricted	0.03
Geraniol	106-24-1	Restricted	0.05
Limonene	138-86-3 7705-14-8 5989-27-5 5989-54-8	Specification	45
Linalool	126-90-9 126-91-0 78-70-6	Specification	15

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Bergamot essential oil, organic, Italy

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
Issue date: 1/21/2020 Revision date: 9/7/2020 Supersedes: 4/27/2020 Version: 4.0

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

1.1. Product identifier

Product form	: Substance
Substance name	: Bergamot essential oil, organic, Italy
EC-No.	: 289-612-9
CAS-No.	: 89957-91-5
Product code	: 10042
Type of product	: Essential oil
Product group	: Raw material

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

1.2.1. Relevant identified uses

Main use category	: Industrial use,Professional use
Function or use category	: Cosmetics

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

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1.4. Emergency telephone number

No additional information available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flammable liquids, Category 3	H226
Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 2	H319
Skin sensitisation, Category 1	H317
Reproductive toxicity, Category 2	H361
Hazardous to the aquatic environment — Acute Hazard, Category 1	H400
Hazardous to the aquatic environment — Chronic Hazard, Category 1	H410

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

Flammable liquid and vapour. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Very toxic to aquatic life with long lasting effects. Suspected of damaging fertility or the unborn child.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS02 GHS07 GHS08 GHS09

Signal word (CLP) : Warning

Hazard statements (CLP) : H226 - Flammable liquid and vapour.
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
H361 - Suspected of damaging fertility or the unborn child.
H410 - Very toxic to aquatic life with long lasting effects.

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Precautionary statements (CLP) : P201 - Obtain special instructions before use.
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.
P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P391 - Collect spillage.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Name : Bergamot essential oil, organic, Italy

CAS-No. : 89957-91-5

EC-No. : 289-612-9

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Limonene	(CAS-No.) 138-86-3 (EC-No.) 227-813-5 (EC Index-No.) 601-029-00-7 (REACH-no) 01-2119529223-47	25 – 50	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Linalyl acetate	(CAS-No.) 115-95-7 (EC-No.) 204-116-4	20 – 50	Eye Irrit. 2, H319 Skin Irrit. 2, H315 Skin Sens. 1B, H317
Linalool *	(CAS-No.) 78-70-6 (EC-No.) 201-134-4 (EC Index-No.) 603-235-00-2 (REACH-no) 01-2119474016-42	1 – 20	Skin Sens. 1B, H317
Gamma terpinene	(CAS-No.) 99-85-4 (EC-No.) 202-794-6	5 – 20	Repr. 2, H361 Flam. Liq. 3, H226 Asp. Tox. 1, H304
Beta Pinene	(CAS-No.) 127-91-3 (EC-No.) 204-872-5	5 – 10	Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317
Sabinene	(CAS-No.) 3387-41-5 (EC-No.) 222-212-4	< 5	Acute Tox. 4 (Oral), H302
Myrcene	(CAS-No.) 123-35-3 (EC-No.) 204-622-5	0.1 – 5	Asp. Tox. 1, H304 Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 2, H411 Flam. Liq. 3, H226 Skin Irrit. 2, H315
Alpha pinene	(CAS-No.) 80-56-8 (EC-No.) 201-291-9 (REACH-no) 01-2119519223-49	1 – 5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304
Paracymene	(CAS-No.) 99-87-6 (EC-No.) 202-796-7	< 5	Repr. 2, H361 Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Neryl acetate	(CAS-No.) 141-12-8 (EC-No.) 205-459-2	< 1	Skin Sens. 1B, H317
Citral (neral + geranial) *	(CAS-No.) 5392-40-5 (EC-No.) 226-394-6 (EC Index-No.) 605-019-00-3 (REACH-no) 01-2119462829-23	< 1	Eye Irrit. 2, H319 Skin Irrit. 2, H315 Skin Sens. 1, H317

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Beta bisabolene	(CAS-No.) 495-61-4	0.1 – 1	Asp. Tox. 1, H304 Skin Irrit. 2, H315 Skin Sens. 1B, H317
Alpha terpineol	(CAS-No.) 98-55-5 (EC-No.) 202-680-6	0.1 – 1	Skin Irrit. 2, H315 Eye Irrit. 2, H319
Geranyl acetate	(CAS-No.) 105-87-3 (EC-No.) 203-341-5	0.1 – 1	Skin Sens. 1B, H317 Skin Irrit. 2, H315 Aquatic Chronic 3, H412
Beta Caryophyllene	(CAS-No.) 87-44-5 (EC-No.) 201-746-1	0.1 – 1	Asp. Tox. 1, H304 Aquatic Chronic 4, H413 Skin Sens. 1B, H317
Terpinolene	(CAS-No.) 586-62-9 (EC-No.) 209-578-0	0.1 – 1	Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Skin Sens. 1B, H317
Alpha trans bergamotene	(CAS-No.) 13474-59-4	0.1 – 1	Asp. Tox. 1, H304
Beta Phellandrene	(CAS-No.) 555-10-2 (EC-No.) 209-081-9	0.1 – 1	Asp. Tox. 1, H304 Flam. Liq. 3, H226
Terpenyl acetate	(CAS-No.) 80-26-2 (EC-No.) 201-265-7	< 1	Aquatic Chronic 2, H411
Alpha terpinene	(CAS-No.) 99-86-5 (EC-No.) 202-795-1	0.1 – 1	Asp. Tox. 1, H304 Acute Tox. 4 (Oral), H302 Aquatic Chronic 2, H411 Flam. Liq. 3, H226
Octanal	(CAS-No.) 124-13-0 (EC-No.) 204-683-8	< 1	Eye Irrit. 2, H319 Aquatic Chronic 2, H411 Flam. Liq. 3, H226 Skin Irrit. 2, H315
Cis Beta Ocimene	(CAS-No.) 3338-55-4 (EC-No.) 222-081-3	< 1	Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 2, H411 Flam. Liq. 3, H226 Skin Irrit. 2, H315
Methyl chavicol	(CAS-No.) 140-67-0 (EC-No.) 205-427-8	< 1	Skin Sens. 1B, H317 Skin Irrit. 2, H315 Muta. 2, H341 Carc. 2, H351 Aquatic Chronic 3, H412 Acute Tox. 4 (Oral), H302
Nerol	(CAS-No.) 106-25-2 (EC-No.) 203-378-7 (REACH-no) 01-2119983244-33	< 0.1	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319
Geraniol *	(CAS-No.) 106-24-1 (EC-No.) 203-377-1 (REACH-no) 01-2119552430-49	< 0.1	Skin Sens. 1B, H317 Skin Irrit. 2, H315 Eye Dam. 1, H318
Terpinen-4-ol	(CAS-No.) 562-74-3 (EC-No.) 209-235-5	< 0.1	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319
Alpha Phellandrene	(CAS-No.) 99-83-2 (EC-No.) 202-792-5	< 0.1	Asp. Tox. 1, H304 Flam. Liq. 3, H226
Camphene	(CAS-No.) 79-92-5 (EC-No.) 201-234-8	< 0.1	Flam. Sol. 2, H228 Eye Irrit. 2, H319 Aquatic Chronic 1, H410
Cis ocimene	(CAS-No.) 3338-55-4 (EC-No.) 222-081-3	< 0.1	Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 2, H411 Flam. Liq. 3, H226 Skin Irrit. 2, H315
Trans nerolidol	(CAS-No.) 40716-66-3 (EC-No.) 255-053-4	< 0.1	Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Skin Sens. 1B, H317

Full text of H-statements: see section 16

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3.2. Mixtures
Not established.

SECTION 4: First aid measures
4.1. Description of first aid measures
First-aid measures general : IF exposed or concerned: Get medical advice/attention.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed
Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction.

Symptoms/effects after eye contact : Eye irritation.

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

SECTION 5: Firefighting measures
5.1. Extinguishing media
Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture
Fire hazard : Flammable liquid and vapour.

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures
6.1. Personal precautions, protective equipment and emergency procedures
6.1.1. For non-emergency personnel
Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.

6.1.2. For emergency responders
Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions
Avoid release to the environment.

6.3. Methods and material for containment and cleaning up
For containment : Collect spillage.

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections
For further information refer to section 13.

SECTION 7: Handling and storage
7.1. Precautions for safe handling
Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities
Technical measures : Ground/bond container and receiving equipment.

Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

7.3. Specific end use(s)
No additional information available

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Hand protection:
Protective gloves

Eye protection:
Safety glasses

Skin and body protection:
Wear suitable protective clothing

Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment. [In case of inadequate ventilation] wear respiratory protection.

Personal protective equipment symbol(s):



Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear.
Colour	: Yellow. Green. dark green.
Odour	: Fresh. Fruity.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 59 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 0.874 – 0.883
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

Refractive index	: 1.465 – 1.47

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SECTION 10: Stability and reactivity

10.1. Reactivity
Flammable liquid and vapour.

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid
Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials
No additional information available

10.6. Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

Alpha pinene (80-56-8)	
LD50 oral	3700 mg/kg bodyweight
LD50 dermal	> 5000 mg/kg bodyweight
ATE CLP (oral)	3700 mg/kg bodyweight

Alpha terpinene (99-86-5)	
LD50 oral	1680 mg/kg bodyweight
ATE CLP (oral)	500 mg/kg bodyweight

Alpha terpineol (98-55-5)	
LD50 oral rat	4300 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 2900 - 5700
LD50 oral	4300 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal rabbit	> 3000 mg/kg OECD 402

Beta Pinene (127-91-3)	
LD50 oral rat	300 – 2000 mg/kg OCDE 423
LD50 dermal rat	> 2000 mg/kg
ATE CLP (oral)	300 mg/kg bodyweight

Camphene (79-92-5)	
LD50 oral rat	> 2000 mg/kg bodyweight Animal: other:rat and mouse
LD50 oral	> 5000 mg/kg bodyweight Animal: mouse
LD50 dermal rat	> 2500 mg/kg bodyweight Animal:
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit
LC50 inhalation rat (mg/l)	> 25 mg/l air Animal:

Cis Beta Ocimene (3338-55-4)	
LD50 oral	5000 mg/kg bodyweight
ATE CLP (oral)	5000 mg/kg bodyweight

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Cis ocimene (3338-55-4)	
LD50 oral	5000 mg/kg bodyweight
ATE CLP (oral)	5000 mg/kg bodyweight

Citral (neral + geranial) * (5392-40-5)	
LD50 oral rat	≈ 6800 mg/kg bodyweight Animal: rat
LD50 oral	4960 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat
LD50 dermal	2250 mg/kg bodyweight

Gamma terpinene (99-85-4)	
LD50 oral	3850 mg/kg bodyweight
ATE CLP (oral)	3850 mg/kg bodyweight

Geraniol * (106-24-1)	
LD50 oral rat	3600 mg/kg bodyweight Animal: rat, 95% CL: 2840 - 4570
LD50 oral	2100 mg/kg bodyweight
LD50 dermal rabbit	> 5000 mg/kg bodyweight Animal: rabbit
LD50 dermal	> 5000 mg/kg bodyweight
ATE CLP (oral)	2100 mg/kg bodyweight

Limonene (138-86-3)	
LD50 oral	4400 mg/kg bodyweight
LD50 dermal	> 2000 mg/kg bodyweight
ATE CLP (oral)	4400 mg/kg bodyweight

Linalool * (78-70-6)	
LD50 oral rat	2790 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 2440 - 3180
LD50 oral	2790 mg/kg bodyweight
LD50 dermal rabbit	5610 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), 95% CL: 3578 - 8374
LD50 dermal	5610 mg/kg bodyweight
ATE CLP (oral)	2790 mg/kg bodyweight
ATE CLP (dermal)	5610 mg/kg bodyweight

Nerol (106-25-2)	
LD50 oral	4500 mg/kg bodyweight
LD50 dermal	> 5000 mg/kg bodyweight

Octanal (124-13-0)	
LD50 oral rat	4617 mg/kg bodyweight Animal: rat, Animal sex: male
LD50 dermal rabbit	5207 mg/kg bodyweight Animal: rabbit, Animal sex: male
LC50 inhalation rat (mg/l)	> 0.83 mg/l air Animal: rat, Animal sex: male

Paracymene (99-87-6)	
LD50 oral	4750 mg/kg bodyweight

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ATE CLP (oral)	4750 mg/kg bodyweight

Sabinene (3387-41-5)	
ATE CLP (oral)	500 mg/kg bodyweight

Terpinen-4-ol (562-74-3)	
ATE CLP (oral)	500 mg/kg bodyweight

Terpinolene (586-62-9)	
LD50 oral	3775 mg/kg bodyweight
LD50 dermal rabbit	> 4300 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
ATE CLP (oral)	3775 mg/kg bodyweight

Methyl chavicol (140-67-0)	
LD50 oral	1230 mg/kg bodyweight
ATE CLP (oral)	1230 mg/kg bodyweight

Skin corrosion/irritation : Causes skin irritation.
Serious eye damage/irritation : Causes serious eye irritation.
Respiratory or skin sensitisation : May cause an allergic skin reaction.
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

Citral (neral + geranial) * (5392-40-5)	
NOAEL (chronic, oral, animal/male, 2 years)	60 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies), Remarks on results: other:Effect type: toxicity (migrated information)

Geraniol * (106-24-1)	
NOAEL (chronic, oral, animal/male, 2 years)	60 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies), Remarks on results: other:Effect type: toxicity (migrated information)

Reproductive toxicity : Suspected of damaging fertility or the unborn child.

Alpha terpineol (98-55-5)	
NOAEL (animal/male, F0/P)	≥ 750 mg/kg OECD 422
NOAEL (animal/female, F0/P)	≥ 750 mg/kg OECD 422

Octanal (124-13-0)	
NOAEL (animal/female, F0/P)	300 mg/kg bodyweight Animal: rat, Animal sex: female
NOAEL (animal/female, F1)	300 mg/kg bodyweight Animal: rat, Animal sex: female

Terpinolene (586-62-9)	
NOAEL (animal/male, F0/P)	294.6 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
NOAEL (animal/female, F0/P)	161.5 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

STOT-single exposure : Not classified

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STOT-repeated exposure : Not classified

Alpha terpineol (98-55-5)	
NOAEL (oral, rat, 90 days)	≥ 314 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

Citral (neral + geranial) * (5392-40-5)	
LOAEC (inhalation, rat, gas, 90 days)	68 ppm Animal: rat, Animal sex: female
NOAEL (oral, rat, 90 days)	100 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)
NOAEC (inhalation, rat, gas, 90 days)	34 ppm Animal: rat, Animal sex: female
NOAEL (subchronic, oral, animal/male, 90 days)	60 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)

Geraniol * (106-24-1)	
NOAEL (dermal, rat/rabbit, 90 days)	300 mg/kg bodyweight Animal: rat, Guideline: other:OECD Guideline 421 (Reproduction/Developmental Toxicity Screening test), Guideline: other:EPA OPPTS 870.3550 (Reproduction/Developmental Toxicity Screening Test)

Linalool * (78-70-6)	
LOAEL (dermal, rat/rabbit, 90 days)	Animal: rat, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Very toxic to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short-term (acute) : Very toxic to aquatic life.

Hazardous to the aquatic environment, long-term (chronic) : Very toxic to aquatic life with long lasting effects.

Not rapidly degradable

Alpha pinene (80-56-8)	
LC50 fish 1	0.28 mg/l
EC50 other aquatic organisms 1	1.44 mg/l waterflea

Alpha terpineol (98-55-5)	
LC50 fish 1	70 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 Daphnia 1	73 mg/l Test organisms (species): Daphnia magna
EC50 72h algae (1)	≈ 68 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 72h algae (2)	≈ 17 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

Camphene (79-92-5)	
LC50 fish 1	0.72 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 Daphnia 1	0.72 mg/l Test organisms (species): Daphnia magna
EC50 72h algae (1)	1.75 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

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Citral (neral + geranial) * (5392-40-5)	
LC50 fish 1	6.78 mg/l Test organisms (species): Leuciscus idus
EC50 Daphnia 1	6.8 mg/l Test organisms (species): Daphnia magna
EC50 other aquatic organisms 1	7 mg/l waterflea
EC50 other aquatic organisms 2	5 mg/l
EC50 72h algae (1)	103.8 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)

Geraniol * (106-24-1)	
LC50 fish 1	≈ 22 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 Daphnia 1	10.8 mg/l Test organisms (species): Daphnia magna
EC50 other aquatic organisms 1	10.8 mg/l waterflea
EC50 other aquatic organisms 2	13.1 mg/l
EC50 72h algae (1)	13.1 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)

Limonene (138-86-3)	
LC50 fish 1	0.72 mg/l
EC50 other aquatic organisms 1	0.36 mg/l waterflea

Linalool * (78-70-6)	
LC50 fish 1	27.8 mg/l
EC50 Daphnia 1	59 mg/l Test organisms (species): Daphnia magna
EC50 other aquatic organisms 1	20 mg/l waterflea
EC50 other aquatic organisms 2	88.3 mg/l
EC50 96h algae (1)	88.3 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 96h algae (2)	156.7 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)

Octanal (124-13-0)	
EC50 Daphnia 1	1.54 mg/l Test organisms (species): Daphnia magna

Terpinolene (586-62-9)	
LC50 fish 1	0.805 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 Daphnia 1	0.634 mg/l Test organisms (species): Daphnia magna
EC50 72h algae (1)	0.692 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 72h algae (2)	0.302 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

Alpha pinene (80-56-8)	
Partition coefficient n-octanol/water (Log Pow)	4.32

Citral (neral + geranial) * (5392-40-5)	
Partition coefficient n-octanol/water (Log Pow)	2.8

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Bergamot essential oil, organic, Italy

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Geraniol * (106-24-1)	
Partition coefficient n-octanol/water (Log Pow)	3.5

Limonene (138-86-3)	
Partition coefficient n-octanol/water (Log Pow)	4.38

Linalool * (78-70-6)	
Partition coefficient n-octanol/water (Log Pow)	2.84

Nerol (106-25-2)	
Partition coefficient n-octanol/water (Log Pow)	3.47

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Additional information : Flammable vapours may accumulate in the container.

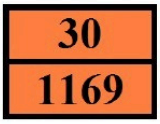
SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
UN 1169	UN 1169	UN 1169	UN 1169	UN 1169
14.2. UN proper shipping name				
EXTRACTS, AROMATIC, LIQUID	EXTRACTS, AROMATIC, LIQUID	Extracts, aromatic, liquid	EXTRACTS, AROMATIC, LIQUID	EXTRACTS, AROMATIC, LIQUID
Transport document description				
UN 1169 EXTRACTS, AROMATIC, LIQUID, 3, III, (D/E), ENVIRONMENTALLY HAZARDOUS	UN 1169 EXTRACTS, AROMATIC, LIQUID, 3, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS	UN 1169 Extracts, aromatic, liquid, 3, III, ENVIRONMENTALLY HAZARDOUS	UN 1169 EXTRACTS, AROMATIC, LIQUID, 3, III, ENVIRONMENTALLY HAZARDOUS	UN 1169 EXTRACTS, AROMATIC, LIQUID, 3, III, ENVIRONMENTALLY HAZARDOUS
14.3. Transport hazard class(es)				
3	3	3	3	3
				
14.4. Packing group				
III	III	III	III	III
14.5. Environmental hazards				
Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes
No supplementary information available				

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14.6. Special precautions for user

Overland transport	
Classification code (ADR)	: F1
Special provisions (ADR)	: 601
Limited quantities (ADR)	: 5l
Excepted quantities (ADR)	: E1
Packing instructions (ADR)	: P001, IBC03, LP01, R001
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T2
Portable tank and bulk container special provisions (ADR)	: TP1
Tank code (ADR)	: LGBF
Vehicle for tank carriage	: FL
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V12
Special provisions for carriage - Operation (ADR)	: S2
Hazard identification number (Kemler No.)	: 30
Orange plates	: 
Tunnel restriction code (ADR)	: D/E
Transport by sea	
Special provisions (IMDG)	: 223, 955
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: P001, LP01
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T2
Tank special provisions (IMDG)	: TP1
EmS-No. (Fire)	: F-E
EmS-No. (Spillage)	: S-D
Stowage category (IMDG)	: A
Properties and observations (IMDG)	: Usually consist of alcoholic solutions. Miscibility with water depends upon the composition.
Air transport	
PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y344
PCA limited quantity max net quantity (IATA)	: 10L
PCA packing instructions (IATA)	: 355
PCA max net quantity (IATA)	: 60L
CAO packing instructions (IATA)	: 366
CAO max net quantity (IATA)	: 220L
Special provisions (IATA)	: A3
ERG code (IATA)	: 3L
Inland waterway transport	
Classification code (ADN)	: F1
Special provisions (ADN)	: 601
Limited quantities (ADN)	: 5 L
Excepted quantities (ADN)	: E1
Equipment required (ADN)	: PP, EX, A
Ventilation (ADN)	: VE01
Number of blue cones/lights (ADN)	: 0
Rail transport	
Classification code (RID)	: F1
Special provisions (RID)	: 601
Limited quantities (RID)	: 5L

Оформлението е проверено: 2026

PURUS document review: 10.11.2026 - technical content unchanged
Document presentation review; originallaboratory and supplierdates retained.

Excepted quantities (RID)	: E1
Packing instructions (RID)	: P001, IBC03, LP01, R001
Mixed packing provisions (RID)	: MP19
Portable tank and bulk container instructions (RID)	: T2
Portable tank and bulk container special provisions (RID)	: TP1
Tank codes for RID tanks (RID)	: LGBF
Transport category (RID)	: 3
Special provisions for carriage – Packages (RID)	: W12
Colis express (express parcels) (RID)	: CE4
Hazard identification number (RID)	: 30

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not established.

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Bergamot essential oil, organic, Italy is not on the REACH Candidate List

Bergamot essential oil, organic, Italy is not on the REACH Annex XIV List

Bergamot essential oil, organic, Italy is not subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 july 2012 concerning the export and import of hazardous chemicals.

Bergamot essential oil, organic, Italy is not subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BLV	Biological limit value
CAS-No.	Chemical Abstract Service number
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
EC-No.	European Community number
EN	European Standard
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic

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PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative
WGK	Water Hazard Class

Full text of H- and EUH-statements:	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Aquatic Chronic 4	Hazardous to the aquatic environment — Chronic Hazard, Category 4
Asp. Tox. 1	Aspiration hazard, Category 1
Carc. 2	Carcinogenicity, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Flam. Sol. 2	Flammable solids, Category 2
Muta. 2	Germ cell mutagenicity, Category 2
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B
H226	Flammable liquid and vapour.
H228	Flammable solid.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H341	Suspected of causing genetic defects.
H351	Suspected of causing cancer.
H361	Suspected of damaging fertility or the unborn child.
H400	Very toxic 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.
H413	May cause long lasting harmful effects to aquatic life.

SDS EU (REACH Annex II)
This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

Оформлението е проверено: 2026

PURUS

Бергамот - GC/MS референтен профил

Citrus aurantium bergamia

ВЪНШНА ПАРТИДА - РЕФЕРЕНЦИЯ ЗА ПРЕГЛЕД

Външен GC/MS образец за сравнение. Не е анализ на партида PURUS и не удостоверява нашата наличност.

Студено пресован бергамот, Италия. Чужда партида; FCF/BIO обхват не е доказан за нашия материал.

Параметър	Външен лабораторен образец
Партида	5N
Дата на анализа	11.07.2025
Произход / извличане	Italy / Cold Press
Метод	GC/MS; Shimadzu GCMS-QP2010Ultra; ZB-5

15 основни измерени компонента

Компонент	Съдържание, %
Limonene	39.85
Linalyl acetate	29.51
gamma-Terpinene	8.05
Linalool	5.84
beta-Pinene	5.56
Myrcene	1.56
alpha-Pinene	1.23
Sabinene	1.04
Neryl acetate	0.85
Geranyl acetate	0.82
beta-Bisabolene	0.53
trans-beta-Ocimene	0.41
Terpinolene	0.4
trans-alpha-Bergamotene	0.37
beta-Caryophyllene	0.36

Кратко фактическо резюме, а не копие на лабораторния сертификат. Таблицата не е пълният състав; оригиналният доклад и хроматограмата са запазени в частния източников архив.