

ESENCIA 13664
ART.COMERCIAL APPLE BREATH

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: ESENCIA 13664
ART.COMERCIAL APPLE BREATH

Other means of identification:

UFI: C79C-E0R2-9007-1E65

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

Relevant uses (Consumer use): Fragrance
Relevant uses (Professional users): Fragrance
Relevant uses (Industrial user): Fragrance
Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

ESSENTIAL COMPOSITIONS, S.L.
C/ BROSQUIL Nº 2, POL. ALCODAR
46701 GANDÍA - VALENCIA - ESPAÑA
Phone: +34 96 111 70 07 - Fax: +34 96 296 59 05
info@essentialcompositions.com
www.essentialcompositions.com

1.4 Emergency telephone number: +34 96 111 70 07

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412

Eye Dam. 1: Serious eye damage, Category 1, H318

Flam. Liq. 3: Flammable liquids, Category 3, H226

Skin Corr. 1B: Skin corrosion, Category 1B, H314

Skin Sens. 1B: Sensitisation, skin, Category 1B, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Danger



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.

Flam. Liq. 3: H226 - Flammable liquid and vapour.

Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.

Skin Sens. 1B: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

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

P280: Wear protective gloves/protective clothing/eye protection/protective footwear.

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

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

P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains Cinnamaldehyde, Coumarin, A-methylcinnamaldehyde, Acetyl eugenol.

Substances that contribute to the classification

3-phenylpropan-1-ol; Eugenol; Dimethylcyclohex-3-ene-1-carbaldehyde

- CONTINUED ON NEXT PAGE -

ESENCIA 13664
ART.COMERCIAL APPLE BREATH

SECTION 2: HAZARDS IDENTIFICATION (continued)

UFI: C79C-E0R2-9007-1E65

2.3 Other hazards:

Product does not meet PBT/vPvB criteria
Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS **

3.1 Substance:










Not relevant

3.2 Mixture:

Chemical description: Odoriferous mixture based on natural and/or synthetic ingredients

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification	Concentration
CAS: 122-97-4 EC: 204-587-6 Index: Not relevant REACH: 01-2120105028-70-XXXX	3-phenylpropan-1-ol⁽¹⁾ Regulation 1272/2008 Eye Dam. 1: H318; Skin Corr. 1B: H314 - Danger	Self-classified  15 - <20 %
CAS: 104-55-2 EC: 203-213-9 Index: Not relevant REACH: 01-2119935242-45-XXXX	Cinnamaldehyde⁽¹⁾ Regulation 1272/2008 Acute Tox. 4: H312; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	Self-classified  15 - <20 %
CAS: 97-53-0 EC: 202-589-1 Index: Not relevant REACH: 01-2119971802-33-XXXX	Eugenol⁽¹⁾ Regulation 1272/2008 Eye Irrit. 2: H319; Skin Sens. 1B: H317 - Warning	Self-classified  15 - <20 %
CAS: 91-64-5 EC: 202-086-7 Index: Not relevant REACH: 01-2119949300-45-XXXX	Coumarin⁽¹⁾ Regulation 1272/2008 Acute Tox. 4: H302; Aquatic Chronic 3: H412; Skin Sens. 1: H317 - Warning	Self-classified  5 - <10 %
CAS: 101-39-3 EC: 202-938-8 Index: Not relevant REACH: Not relevant	A-methylcinnamaldehyde⁽¹⁾ Regulation 1272/2008 Skin Sens. 1: H317 - Warning	Self-classified  5 - <10 %
CAS: 80-26-2 EC: 201-265-7 Index: Not relevant REACH: 01-2119980733-29-XXXX	P-menth-1-en-8-yl acetate⁽¹⁾ Regulation 1272/2008 Aquatic Chronic 2: H411	Self-classified  5 - <10 %
CAS: 121-33-5 EC: 204-465-2 Index: Not relevant REACH: 01-2119516040-60-XXXX	Vanillin⁽¹⁾ Regulation 1272/2008 Eye Irrit. 2: H319 - Warning	Self-classified  2,5 - <5 %
CAS: 5413-60-5 EC: 226-501-6 Index: Not relevant REACH: 01-2119934491-39-XXXX	Tricyclodecanyl acetate⁽¹⁾ Regulation 1272/2008 Aquatic Chronic 3: H412	Self-classified 2,5 - <5 %
CAS: 104-67-6 EC: 203-225-4 Index: Not relevant REACH: 01-2119959333-34-XXXX	Undecan-4-olide⁽¹⁾ Regulation 1272/2008 Aquatic Chronic 3: H412	Self-classified 1 - <2,5 %
CAS: 27939-60-2 EC: 248-742-6 Index: Not relevant REACH: 01-2120766006-57-XXXX	Dimethylcyclohex-3-ene-1-carbaldehyde⁽¹⁾ Regulation 1272/2008 Aquatic Chronic 2: H411; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning	Self-classified   1 - <2,5 %




⁽¹⁾ Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

** Changes with regards to the previous version

- CONTINUED ON NEXT PAGE -

ESENCIA 13664
ART.COMERCIAL APPLE BREATH

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS ** (continued)

Identification	Chemical name/Classification	Concentration
CAS: 142-19-8 EC: 205-527-1 Index: Not relevant REACH: 01-2119488961-23-XXXX	Allyl heptanoate⁽¹⁾ Regulation 1272/2008 Acute Tox. 3: H301+H311; Aquatic Acute 1: H400; Aquatic Chronic 3: H412 - Danger	Self-classified  1 - <2,5 %
CAS: 88-41-5 EC: 201-828-7 Index: Not relevant REACH: Not relevant	2-tert-butylcyclohexyl acetate⁽¹⁾ Regulation 1272/2008 Aquatic Chronic 2: H411	Self-classified  1 - <2,5 %
CAS: 93-28-7 EC: 202-235-6 Index: Not relevant REACH: 01-2120749746-40-XXXX	Acetyl eugenol⁽¹⁾ Regulation 1272/2008 Acute Tox. 4: H302; Skin Sens. 1B: H317 - Warning	Self-classified  <1 %

⁽¹⁾ Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Acute toxicity estimate for the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or as determined in accordance with Annex I to that Regulation:

Identification	Acute toxicity	Genus
Cinnamaldehyde CAS: 104-55-2 EC: 203-213-9	LD50 oral	Not relevant
	LD50 dermal	1260 mg/kg
	LC50 inhalation vapour	Not relevant
Coumarin CAS: 91-64-5 EC: 202-086-7	LD50 oral	500 mg/kg
	LD50 dermal	Not relevant
	LC50 inhalation vapour	Not relevant
Allyl heptanoate CAS: 142-19-8 EC: 205-527-1	LD50 oral	218 mg/kg
	LD50 dermal	810 mg/kg
	LC50 inhalation vapour	Not relevant
Acetyl eugenol CAS: 93-28-7 EC: 202-235-6	LD50 oral	1670 mg/kg
	LD50 dermal	Not relevant
	LC50 inhalation vapour	Not relevant

** Changes with regards to the previous version

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

Request medical assistance immediately, showing the SDS of this product.

By inhalation:

This product does not contain substances classified as hazardous for inhalation, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Seek medical attention if the symptoms get worse or persist.

By skin contact:

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Request immediate medical assistance, showing the SDS of this product. Do not induce vomiting, because its expulsion from the stomach can be hazardous to the mucus of the main digestive tract, and also risk damage to the respiratory system through inhalation. Rinse out the mouth and throat, as they may have been affected during ingestion. In the case of loss of consciousness do not administer anything orally unless supervised by a doctor. Keep the person affected at rest.

- CONTINUED ON NEXT PAGE -

ESENCIA 13664
ART.COMERCIAL APPLE BREATH

SECTION 4: FIRST AID MEASURES (continued)

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Not relevant

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC)

Unsuitable extinguishing media:

Water jet

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and Self Contained Breathing Apparatus. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Prevent the entrance of product in drains, sewers or watercourses. Absorb the spill using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. Collect the product in appropriate containers and manage it according to current legislation.

Spillages in water or sea:

Small spillages:

Contain spillage using barriers or similar equipment. Use suitable absorbents for collection and treat the waste in accordance with current regulations.

Large spillages:

If possible, contain spillage in open water using barriers or similar equipment. If this is not possible, try to control its spread and collect the product with suitable mechanical means. Always consult experts before using dispersants and make sure you have the necessary approvals if they are to be used. Treat the waste according to current regulations.

6.4 Reference to other sections:

See sections 8 and 13.

- CONTINUED ON NEXT PAGE -

ESENCIA 13664
ART.COMERCIAL APPLE BREATH

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,...) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems defined in Directive 2014/34/EC (ATEX 100) and with the minimum requirements for protecting the security and health of workers under the selection criteria of Directive 1999/92/EC (ATEX 137). Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Specific storage requirements

Minimum Temp.: 5 °C
Maximum Temp.: 30 °C
Maximum time: 12 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

There are no applicable occupational exposure limits for the substances contained in the product

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
3-phenylpropan-1-ol CAS: 122-97-4 EC: 204-587-6	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	14 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	24,68 mg/m ³	Not relevant
Cinnamaldehyde CAS: 104-55-2 EC: 203-213-9	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	1,75 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	6,11 mg/m ³	Not relevant
Eugenol CAS: 97-53-0 EC: 202-589-1	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	6 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	21,2 mg/m ³	Not relevant
Coumarin CAS: 91-64-5 EC: 202-086-7	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	0,79 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	6,78 mg/m ³	Not relevant

- CONTINUED ON NEXT PAGE -

ESENCIA 13664
ART.COMERCIAL APPLE BREATH

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
A-methylcinnamaldehyde	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 101-39-3	Dermal	Not relevant	Not relevant	2,21 mg/kg	Not relevant
EC: 202-938-8	Inhalation	Not relevant	Not relevant	13,3 mg/m ³	13,3 mg/m ³
Dimethylcyclohex-3-ene-1-carbaldehyde	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 27939-60-2	Dermal	Not relevant	Not relevant	2,1 mg/kg	Not relevant
EC: 248-742-6	Inhalation	Not relevant	Not relevant	7,3 mg/m ³	Not relevant
Allyl heptanoate	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 142-19-8	Dermal	Not relevant	Not relevant	0,84 mg/kg	Not relevant
EC: 205-527-1	Inhalation	Not relevant	Not relevant	2,97 mg/m ³	Not relevant

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
3-phenylpropan-1-ol	Oral	Not relevant	Not relevant	2,5 mg/kg	Not relevant
CAS: 122-97-4	Dermal	Not relevant	Not relevant	5 mg/kg	Not relevant
EC: 204-587-6	Inhalation	Not relevant	Not relevant	3,7 mg/m ³	Not relevant
Cinnamaldehyde	Oral	Not relevant	Not relevant	0,625 mg/kg	Not relevant
CAS: 104-55-2	Dermal	Not relevant	Not relevant	0,625 mg/kg	Not relevant
EC: 203-213-9	Inhalation	Not relevant	Not relevant	1,09 mg/m ³	Not relevant
Eugenol	Oral	Not relevant	Not relevant	3 mg/kg	Not relevant
CAS: 97-53-0	Dermal	Not relevant	Not relevant	3 mg/kg	Not relevant
EC: 202-589-1	Inhalation	Not relevant	Not relevant	5,22 mg/m ³	Not relevant
Coumarin	Oral	Not relevant	Not relevant	0,39 mg/kg	Not relevant
CAS: 91-64-5	Dermal	Not relevant	Not relevant	0,39 mg/kg	Not relevant
EC: 202-086-7	Inhalation	Not relevant	Not relevant	1,69 mg/m ³	Not relevant
A-methylcinnamaldehyde	Oral	Not relevant	Not relevant	1,1 mg/kg	Not relevant
CAS: 101-39-3	Dermal	Not relevant	Not relevant	1,11 mg/kg	Not relevant
EC: 202-938-8	Inhalation	Not relevant	Not relevant	3,27 mg/m ³	3,27 mg/m ³
Dimethylcyclohex-3-ene-1-carbaldehyde	Oral	Not relevant	Not relevant	1,3 mg/kg	Not relevant
CAS: 27939-60-2	Dermal	Not relevant	Not relevant	1,3 mg/kg	Not relevant
EC: 248-742-6	Inhalation	Not relevant	Not relevant	2,2 mg/m ³	Not relevant
Allyl heptanoate	Oral	Not relevant	Not relevant	0,42 mg/kg	Not relevant
CAS: 142-19-8	Dermal	Not relevant	Not relevant	0,42 mg/kg	Not relevant
EC: 205-527-1	Inhalation	Not relevant	Not relevant	0,73 mg/m ³	Not relevant

PNEC:

Identification				
3-phenylpropan-1-ol CAS: 122-97-4 EC: 204-587-6	STP	3 mg/L	Fresh water	0,061 mg/L
	Soil	0,067 mg/kg	Marine water	0,006 mg/L
	Intermittent	0,61 mg/L	Sediment (Fresh water)	0,513 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,051 mg/kg
Cinnamaldehyde CAS: 104-55-2 EC: 203-213-9	STP	7,1 mg/L	Fresh water	0,008 mg/L
	Soil	0,0156 mg/kg	Marine water	0,0008 mg/L
	Intermittent	0,0321 mg/L	Sediment (Fresh water)	0,101 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,0101 mg/kg
Eugenol CAS: 97-53-0 EC: 202-589-1	STP	Not relevant	Fresh water	0,00113 mg/L
	Soil	0,015 mg/kg	Marine water	0,000113 mg/L
	Intermittent	0,0113 mg/L	Sediment (Fresh water)	0,081 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,008 mg/kg
Coumarin CAS: 91-64-5 EC: 202-086-7	STP	6,4 mg/L	Fresh water	0,019 mg/L
	Soil	0,018 mg/kg	Marine water	0,0019 mg/L
	Intermittent	0,0142 mg/L	Sediment (Fresh water)	0,15 mg/kg
	Oral	0,0307 g/kg	Sediment (Marine water)	0,015 mg/kg

- CONTINUED ON NEXT PAGE -

ESENCIA 13664
ART.COMERCIAL APPLE BREATH

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
A-methylcinnamaldehyde CAS: 101-39-3 EC: 202-938-8	STP	3,66 mg/L	Fresh water	0,001 mg/L
	Soil	0,007 mg/kg	Marine water	0 mg/L
	Intermittent	0,012 mg/L	Sediment (Fresh water)	0,04 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,004 mg/kg
P-menth-1-en-8-yl acetate CAS: 80-26-2 EC: 201-265-7	STP	10 mg/L	Fresh water	0,0069 mg/L
	Soil	0,086 mg/kg	Marine water	0,00069 mg/L
	Intermittent	Not relevant	Sediment (Fresh water)	0,453 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,045 mg/kg
Vanillin CAS: 121-33-5 EC: 204-465-2	STP	10 mg/L	Fresh water	0,118 mg/L
	Soil	11,54 mg/kg	Marine water	0,012 mg/L
	Intermittent	Not relevant	Sediment (Fresh water)	58,22 mg/kg
	Oral	Not relevant	Sediment (Marine water)	5,822 mg/kg
Dimethylcyclohex-3-ene-1-carbaldehyde CAS: 27939-60-2 EC: 248-742-6	STP	13,8 mg/L	Fresh water	0,008 mg/L
	Soil	0,023 mg/kg	Marine water	0,001 mg/L
	Intermittent	Not relevant	Sediment (Fresh water)	0,152 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,015 mg/kg
Allyl heptanoate CAS: 142-19-8 EC: 205-527-1	STP	10 mg/L	Fresh water	0,00012 mg/L
	Soil	0,002 mg/kg	Marine water	0,000012 mg/L
	Intermittent	0,0012 mg/L	Sediment (Fresh water)	0,012 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,001 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

If the working conditions and/or safety measures adopted do not allow keeping the airborne concentration of the product below the exposure limits (if any) or at acceptable levels (if no exposure limits exist), suitable respiratory protection equipment chosen by a qualified professional should be used.

C.- Specific protection for the hands

Not relevant

D.- Eye and face protection

Not relevant

E.- Body protection

Not relevant

F.- Additional emergency measures

It is advised to implement additional emergency equipments in workplaces that are particularly exposed to the product or in situations where risk assessments highlight the necessity of such equipments.

It is not necessary to take additional emergency measures.

Environmental exposure controls:

To comply with environmental protection regulations, it is recommended to prevent any spillage of the product and its container. For more detailed information, please refer to subsection 7.1.D.

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	18,39 % weight
V.O.C. density at 20 °C:	187,9 kg/m ³ (187,9 g/L)
Average carbon number:	9,33
Average molecular weight:	171,43 g/mol

- CONTINUED ON NEXT PAGE -

ESENCIA 13664
ART.COMERCIAL APPLE BREATH

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 °C:	Liquid
Appearance:	Characteristic
Colour:	Yellowish
Odour:	Characteristic
Odour threshold:	Not relevant *

Volatility:

Boiling point at atmospheric pressure:	240 °C
Vapour pressure at 20 °C:	29 Pa
Vapour pressure at 50 °C:	158,46 Pa (0,16 kPa)
Evaporation rate at 20 °C:	Not relevant *

Product description:

Density at 20 °C:	1021,8 kg/m ³
Relative density at 20 °C:	1,037 - 1,057
Dynamic viscosity at 20 °C:	1,64 mPa·s
Kinematic viscosity at 20 °C:	1,6 mm ² /s
Kinematic viscosity at 40 °C:	Not relevant *
Concentration:	Not relevant *
pH:	7
Vapour density at 20 °C:	Not relevant *
Partition coefficient n-octanol/water 20 °C:	Not relevant *
Solubility in water at 20 °C:	Not relevant *
Solubility properties:	Not relevant *
Decomposition temperature:	Not relevant *
Melting point/freezing point:	Not relevant *

Flammability:

Flash Point:	46 °C
Flammability (solid, gas):	Not relevant *
Autoignition temperature:	200 °C
Lower flammability limit:	Not relevant *
Upper flammability limit:	Not relevant *

Particle characteristics:

Median equivalent diameter:	Not relevant *
-----------------------------	----------------

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Not relevant *
Oxidising properties:	Not relevant *
Corrosive to metals:	Not relevant *
Heat of combustion:	Not relevant *
Aerosols-total percentage (by mass) of flammable components:	Not relevant *

Other safety characteristics:

Surface tension at 20 °C:	Not relevant *
---------------------------	----------------

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

ESENCIA 13664
ART.COMERCIAL APPLE BREATH

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Refraction index: 1,526 - 1,546

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Risk of combustion	Avoid direct impact	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Corrosive product, if it is swallowed causes burns destroying the tissues. For more information about secondary effects from skin contact see section 2.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Prolonged inhalation of the product is corrosive to mucous membranes and the upper respiratory tract

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Above all, skin contact may occur as fabrics of all thicknesses can be destroyed, resulting in burns. For more information on the secondary effects see section 2.
- Contact with the eyes: Produces serious eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- CONTINUED ON NEXT PAGE -

ESENCIA 13664
ART.COMERCIAL APPLE BREATH

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
IARC: Benzyl acetate (3); Coumarin (3); Eugenol (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Not relevant

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
P-menth-1-en-8-yl acetate CAS: 80-26-2 EC: 201-265-7	LD50 oral	5075 mg/kg	Rat
	LD50 dermal		
	LC50 inhalation		
Tricyclodeceny acetate CAS: 5413-60-5 EC: 226-501-6	LD50 oral	3000 mg/kg	
	LD50 dermal		
	LC50 inhalation		
3-phenylpropan-1-ol CAS: 122-97-4 EC: 204-587-6	LD50 oral	2250 mg/kg	Rat
	LD50 dermal	>5000 mg/kg	Rabbit
	LC50 inhalation		
Undecan-4-olide CAS: 104-67-6 EC: 203-225-4	LD50 oral	18500 mg/kg	Rat
	LD50 dermal		
	LC50 inhalation		
Cinnamaldehyde CAS: 104-55-2 EC: 203-213-9	LD50 oral	2220 mg/kg	Rat
	LD50 dermal	1260 mg/kg	Rabbit
	LC50 inhalation vapour	68,88 mg/L (4 h)	Rat
A-methylcinnamaldehyde CAS: 101-39-3 EC: 202-938-8	LD50 oral	2050 mg/kg	Rat
	LD50 dermal		
	LC50 inhalation		
Coumarin CAS: 91-64-5 EC: 202-086-7	LD50 oral	500 mg/kg	Rat
	LD50 dermal	>5000 mg/kg	
	LC50 inhalation		
Eugenol CAS: 97-53-0 EC: 202-589-1	LD50 oral	2300 mg/kg	Rat
	LD50 dermal	>5000 mg/kg	
	LC50 inhalation		

- CONTINUED ON NEXT PAGE -

ESENCIA 13664
ART.COMERCIAL APPLE BREATH

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
Allyl heptanoate CAS: 142-19-8 EC: 205-527-1	LD50 oral	218 mg/kg	Rat
	LD50 dermal	810 mg/kg	Rabbit
	LC50 inhalation		
Vanillin CAS: 121-33-5 EC: 204-465-2	LD50 oral	3500 mg/kg	Rat
	LD50 dermal		
	LC50 inhalation		
Dimethylcyclohex-3-ene-1-carbaldehyde CAS: 27939-60-2 EC: 248-742-6	LD50 oral	3900 mg/kg	Rat
	LD50 dermal	2630 mg/kg	
	LC50 inhalation		
2-tert-butylcyclohexyl acetate CAS: 88-41-5 EC: 201-828-7	LD50 oral	4600 mg/kg	Rat
	LD50 dermal		
	LC50 inhalation		
Acetyl eugenol CAS: 93-28-7 EC: 202-235-6	LD50 oral	1670 mg/kg	Rat
	LD50 dermal		
	LC50 inhalation		

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product does not meet the criteria.

Other information

Not relevant

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

Harmful to aquatic life with long lasting effects.

12.1 Toxicity:

Acute toxicity:

Identification	Concentration	Species	Genus
Eugenol CAS: 97-53-0 EC: 202-589-1	LC50	60,8 mg/L (96 h)	Oncorhynchus mykiss
	EC50	Not relevant	
	EC50	Not relevant	
Coumarin CAS: 91-64-5 EC: 202-086-7	LC50	Not relevant	
	EC50	30 mg/L (48 h)	Daphnia magna
	EC50	Not relevant	
P-menth-1-en-8-yl acetate CAS: 80-26-2 EC: 201-265-7	LC50	11 mg/L (96 h)	Pimephales promelas
	EC50	10 mg/L (48 h)	Daphnia magna
	EC50	8 mg/L (72 h)	Desmodesmus subspicatus
Vanillin CAS: 121-33-5 EC: 204-465-2	LC50	57 mg/L (96 h)	Pimephales promelas
	EC50	48,1 mg/L (48 h)	Daphnia magna
	EC50	120 mg/L (72 h)	Pseudokirchneriella subcapitata
Tricyclodecanyl acetate CAS: 5413-60-5 EC: 226-501-6	LC50	>10 - 100 mg/L (96 h)	Fish
	EC50	>10 - 100 mg/L (48 h)	Crustacean
	EC50	>10 - 100 mg/L (72 h)	Algae
Undecan-4-olide CAS: 104-67-6 EC: 203-225-4	LC50	>10 - 100 mg/L (96 h)	Fish
	EC50	>10 - 100 mg/L (48 h)	Crustacean
	EC50	>10 - 100 mg/L (72 h)	Algae
Dimethylcyclohex-3-ene-1-carbaldehyde CAS: 27939-60-2 EC: 248-742-6	LC50	15 mg/L (96 h)	Oryzias latipes
	EC50	7,74 mg/L (48 h)	Daphnia magna
	EC50	22,8 mg/L (72 h)	Pseudokirchneriella subcapitata

- CONTINUED ON NEXT PAGE -

ESENCIA 13664
ART.COMERCIAL APPLE BREATH

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification		Concentration	Species	Genus
Allyl heptanoate	LC50	0,12 mg/L (96 h)	Danio rerio	Fish
CAS: 142-19-8	EC50	0,89 mg/L (48 h)	Daphnia magna	Crustacean
EC: 205-527-1	EC50	4,6 mg/L (72 h)	Desmodesmus subspicatus	Algae
2-tert-butylcyclohexyl acetate	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 88-41-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 201-828-7	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

Identification		Concentration	Species	Genus
Cinnamaldehyde	NOEC	15,159 mg/L	N/A	Fish
CAS: 104-55-2 EC: 203-213-9	NOEC	Not relevant		

12.2 Persistence and degradability:

Substance-specific information:

Identification		Degradability		Biodegradability	
3-phenylpropan-1-ol CAS: 122-97-4 EC: 204-587-6	BOD5	Not relevant	Concentration	30 mg/L	
	COD	Not relevant	Period	28 days	
	BOD5/COD	Not relevant	% Biodegradable	83 %	
Coumarin CAS: 91-64-5 EC: 202-086-7	BOD5	Not relevant	Concentration	100 mg/L	
	COD	Not relevant	Period	14 days	
	BOD5/COD	Not relevant	% Biodegradable	100 %	
P-menth-1-en-8-yl acetate CAS: 80-26-2 EC: 201-265-7	BOD5	Not relevant	Concentration	100 mg/L	
	COD	Not relevant	Period	28 days	
	BOD5/COD	Not relevant	% Biodegradable	60 %	
Vanillin CAS: 121-33-5 EC: 204-465-2	BOD5	Not relevant	Concentration	100 mg/L	
	COD	Not relevant	Period	14 days	
	BOD5/COD	Not relevant	% Biodegradable	97 %	
Allyl heptanoate CAS: 142-19-8 EC: 205-527-1	BOD5	Not relevant	Concentration	100 mg/L	
	COD	Not relevant	Period	28 days	
	BOD5/COD	Not relevant	% Biodegradable	81 %	

12.3 Bioaccumulative potential:

Substance-specific information:

Identification		Bioaccumulation potential	
Cinnamaldehyde CAS: 104-55-2 EC: 203-213-9	BCF	8	
	Pow Log	1.9	
	Potential	Low	
Eugenol CAS: 97-53-0 EC: 202-589-1	BCF	31	
	Pow Log	2.27	
	Potential	Moderate	
Coumarin CAS: 91-64-5 EC: 202-086-7	BCF	10	
	Pow Log	1.39	
	Potential	Low	
Vanillin CAS: 121-33-5 EC: 204-465-2	BCF	6	
	Pow Log	1.37	
	Potential	Low	
Allyl heptanoate CAS: 142-19-8 EC: 205-527-1	BCF	473	
	Pow Log	2.99	
	Potential	High	

12.4 Mobility in soil:

Identification		Absorption/desorption		Volatility	
3-phenylpropan-1-ol CAS: 122-97-4 EC: 204-587-6	Koc	Not relevant	Henry	4,36E-1 Pa·m ³ /mol	
	Conclusion	Not relevant	Dry soil	Not relevant	
	Surface tension	Not relevant	Moist soil	Not relevant	

- CONTINUED ON NEXT PAGE -

ESENCIA 13664
ART.COMERCIAL APPLE BREATH

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Absorption/desorption			Volatility
Cinnamaldehyde CAS: 104-55-2 EC: 203-213-9	Koc	37	Henry	3,546E-1 Pa·m ³ /mol
	Conclusion	Very High	Dry soil	Yes
	Surface tension	Not relevant	Moist soil	Yes
Coumarin CAS: 91-64-5 EC: 202-086-7	Koc	42	Henry	Not relevant
	Conclusion	Very High	Dry soil	Not relevant
	Surface tension	Not relevant	Moist soil	Not relevant
P-menth-1-en-8-yl acetate CAS: 80-26-2 EC: 201-265-7	Koc	620	Henry	Not relevant
	Conclusion	Low	Dry soil	Not relevant
	Surface tension	Not relevant	Moist soil	Not relevant
Vanillin CAS: 121-33-5 EC: 204-465-2	Koc	130	Henry	2,128E-4 Pa·m ³ /mol
	Conclusion	Very High	Dry soil	Not relevant
	Surface tension	1,622E-2 N/m (292,85 °C)	Moist soil	Not relevant
Allyl heptanoate CAS: 142-19-8 EC: 205-527-1	Koc	968.3	Henry	112 Pa·m ³ /mol
	Conclusion	Low	Dry soil	Not relevant
	Surface tension	Not relevant	Moist soil	Not relevant

12.5 Results of PBT and vPvB assessment:

Product does not meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product does not meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Hazardous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic, HP3 Flammable, HP13 Sensitising, HP8 Corrosive

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-hazardous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:

With regard to ADR 2023 and RID 2023:

- CONTINUED ON NEXT PAGE -

ESENCIA 13664
ART.COMERCIAL APPLE BREATH

SECTION 14: TRANSPORT INFORMATION (continued)



- 14.1 UN number or ID number:** UN1197
- 14.2 UN proper shipping name:** EXTRACTS, LIQUID
- 14.3 Transport hazard class(es):** 3
Labels: 3
- 14.4 Packing group:** III
- 14.5 Environmental hazards:** No
- 14.6 Special precautions for user**
Special regulations: 601
Tunnel restriction code: D/E
Physico-Chemical properties: see section 9
Limited quantities: 5 L
- 14.7 Maritime transport in bulk according to IMO instruments:** Not relevant

Transport of dangerous goods by sea:

With regard to IMDG 41-22:



- 14.1 UN number or ID number:** UN1197
- 14.2 UN proper shipping name:** EXTRACTS, LIQUID
- 14.3 Transport hazard class(es):** 3
Labels: 3
- 14.4 Packing group:** III
- 14.5 Marine pollutant:** No
- 14.6 Special precautions for user**
Special regulations: 955, 223
EmS Codes: F-E, S-D
Physico-Chemical properties: see section 9
Limited quantities: 5 L
Segregation group: Not relevant
- 14.7 Maritime transport in bulk according to IMO instruments:** Not relevant

Transport of dangerous goods by air:

With regard to IATA/ICAO 2024:



- 14.1 UN number or ID number:** UN1197
- 14.2 UN proper shipping name:** EXTRACTS, LIQUID
- 14.3 Transport hazard class(es):** 3
Labels: 3
- 14.4 Packing group:** III
- 14.5 Environmental hazards:** No
- 14.6 Special precautions for user**
Physico-Chemical properties: see section 9
- 14.7 Maritime transport in bulk according to IMO instruments:** Not relevant

SECTION 15: REGULATORY INFORMATION

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

- Article 95, REGULATION (EU) No 528/2012: *Cinnamaldehyde (104-55-2) - PT: (2)*
- Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Not relevant
- Regulation (EU) 2019/1021 on persistent organic pollutants: Not relevant
- Regulation (EU) No 2024/590, about substances that deplete the ozone layer: Not relevant
- REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Not relevant
- Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Not relevant

- CONTINUED ON NEXT PAGE -

ESENCIA 13664
ART.COMERCIAL APPLE BREATH

SECTION 15: REGULATORY INFORMATION (continued)

Seveso III:

Section	Description	Lower-tier requirements	Upper-tier requirements
P5c	FLAMMABLE LIQUIDS	5000	50000

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc):

Shall not be used in:

- ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
- tricks and jokes,
- games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

COMPOSITION/INFORMATION ON INGREDIENTS (SECTION 3):

- Removed substances

1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran (1222-05-5)

Texts of the legislative phrases mentioned in section 2:

- H317: May cause an allergic skin reaction.
- H412: Harmful to aquatic life with long lasting effects.
- H318: Causes serious eye damage.
- H226: Flammable liquid and vapour.
- H314: Causes severe skin burns and eye damage.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

- Acute Tox. 3: H301+H311 - Toxic if swallowed or in contact with skin.
- Acute Tox. 4: H302 - Harmful if swallowed.
- Acute Tox. 4: H312 - Harmful in contact with skin.
- Aquatic Acute 1: H400 - Very toxic to aquatic life.
- Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
- Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
- Eye Dam. 1: H318 - Causes serious eye damage.
- Eye Irrit. 2: H319 - Causes serious eye irritation.
- Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
- Skin Irrit. 2: H315 - Causes skin irritation.
- Skin Sens. 1: H317 - May cause an allergic skin reaction.
- Skin Sens. 1B: H317 - May cause an allergic skin reaction.

Classification procedure:

- Skin Sens. 1B: Calculation method
- Aquatic Chronic 3: Calculation method
- Eye Dam. 1: Calculation method
- Flam. Liq. 3: Calculation method (2.6.4.3)
- Skin Corr. 1B: Calculation method

- CONTINUED ON NEXT PAGE -

ESENCIA 13664
ART.COMERCIAL APPLE BREATH

SECTION 16: OTHER INFORMATION (continued)

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

<http://echa.europa.eu>
<http://eur-lex.europa.eu>

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -