

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

1.1. Product identifier

Product code : Hygienfresh Essenza W+P Ambra & Vanilla

Trades code : A48-034

Product line: Hygienfresh

UFI: RHJ2-N017-C00V-6J6N

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

Perfumed essence for washing in water and for washing with perchlorine

Sectors of use:

Industrial Manufacturing[SU3], Public domain (administration, education, entertainment, services, craftsmen)[SU22]

Uses advised against

Do not use for purposes other than those listed

1.3. Details of the supplier of the safety data sheet

Tintolav s.r.l. - Via M. D' Antona 7 - 10028 Trofarello (TO) Tel. 011/649.68.27 Fax 011/649.67.42

Email: info@tintolav.com - Sito internet: www.tintolav.com

Email tecnico competente: a.conedera@tintolav.com

National contact: Malta: Emergency Ambulance 112

Accident & Emergency Department 2545 4030

1.4. Emergency telephone number

The UK National Poisons Emergency number +44 (0)870 600 6266

London: Emergency 24 hour telephone +44 (0) 207188 0100

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008:

Pictograms:

GHS05, GHS07, GHS09

Hazard Class and Category Code(s):

Acute Tox. 4, Skin Irrit. 2, Skin Sens. 1B, Eye Dam. 1, Aquatic Chronic 2

Hazard statement Code(s):

H302 - Harmful if swallowed.

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H318 - Causes serious eye damage.

H411 - Toxic to aquatic life with long lasting effects.

Harmful product: do not ingest

If brought into contact with the skin, the product causes significant inflammation with erythema, scabs, or edema.

The product, if brought into contact with skin can cause skin sensitization.

If brought into contact with eyes, the product causes serious damages to eyes, such as an opaque cornea or injury to iris.

The product is dangerous to the environment as it is toxic to aquatic life with long lasting effects

2.1.2 Additional information:

For full text of Hazard- and EU Hazard-statements: see SECTION 16.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008:



Pictogram, Signal Word Code(s):
GHS05, GHS07, GHS09 - Danger

Hazard statement Code(s):
H302 - Harmful if swallowed.
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H318 - Causes serious eye damage.
H411 - Toxic to aquatic life with long lasting effects.

Supplemental Hazard statement Code(s):
not applicable

Precautionary statements:

Prevention

- P261 - Avoid breathing vapours.
- P273 - Avoid release to the environment.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Response

- P302+P352 - IF ON SKIN: Wash with plenty of water and soap
- P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 - Immediately call a POISON CENTER/doctor/physician
- P391 - Collect spillage.

Disposal

- P501 - Dispose of contents / container in accordance with local and national regulations.

Contains:

parfum, C12-15 Alketh-3, ricinus communis oil, ethoxydiglycol, Tetramethyl acetyloctahydronaphthalenes, alpha isomethyl ionone, Vanillin, Coumarin, Amyl salicylate, Hexyl cinnamal, Terpeneol, Benzaldehyde, Cananga Odorata Oil, Citrus Aurantium Peel Oil, Limonene, Hexadecanolactone, Eugenol.

Contains (Reg. EC 648/2004):

> 30% perfumes, >= 15% < 30% non-ionic surfactants, < 5% Linalool, Amyl Salicylate, Hexamethylindanopyran, d-Limonene, Citronellol, Coumarin, Linalyl Acetate, Vanillin, 3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one, Rose Ketones, Citral, Citrus Aurantium Amara Peel Oil, Pinenes, Eucalyptus Species Leaf Oil, Pogostemon Cablin oil, Lavandula Hybrida Herb Oil, Isoeugenyl Acetate, Eugenol, > 30% perfumes, < 5% Vanillin, Coumarin, Amyl Salicylate, Hexyl cinnam-aldehyde, Benzaldehyde, Hexadecanolactone, 3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one, d-Limonene, Citrus Aurantium Amara Peel Oil, Terpeneols, Eugenol

For professional use only

UFI: RHJ2-N017-C00V-6J6N

2.3. Other hazards

Based on the available data, no PBT or vPvB substances are present in accordance with Regulation (EC) 1907/2006, annex XIII

Based on available data, there are no substances that interfere with the Endocrine System in accordance with Regulation (EU) 2017/2100

No information on other hazards

SECTION 3. Composition/information on ingredients
3.1 Substances

Irrilevant

3.2 Mixtures

Substance	Concentration[w/w]	Classification	Index	CAS	EINECS	REACH
Alcohols, C12-15-branched and linear, ethoxylated (>2.5 moles EO)	>= 35 < 50%	Acute Tox. 4, H302; Eye Dam. 1, H318; Aquatic Chronic 3, H412 1 1 ATE oral > 300,000 mg/kg ATE dermal > 2.000,000 mg/kg	ND	106232-83-1	932-186-2	ND
alpha-Isomethyl ionone - FEMA 0	>= 5 < 15%	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Aquatic Chronic 2, H411 1 1 ATE oral = 2.000,000 mg/kg ATE dermal = 5.000,000 mg/kg	ND	1335-46-2	215-635-0	ND
3,7-dimethyloctan-3-ol - FEMA 3060	>= 1 < 5%	Skin Irrit. 2, H315; Skin Sens. 1B, H317; Eye Irrit. 2, H319 ATE oral = 5.000,000 mg/kg ATE dermal = 4.500,000 mg/kg ATE inhal = 0,885 mg/l/4 h	ND	78-69-3	201-133-9	01-2119638 275-36
1-(2,3,8,8-Tetramethyl-1,2,3,4,5,6,7,8-octahydronaphthalen-2-yl)ethanone - FEMA 0	>= 1 < 5%	Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410 1 1 ATE oral = 5.000,000 mg/kg ATE dermal =	ND	54464-57-2	259-174-3	01-2119489 989-04

Substance	Concentration[w/w]	Classification	Index	CAS	EINECS	REACH
		5.000,000 mg/kg				
Vanillin - FEMA 3107	>= 1 < 5%	Skin Sens. 1, H317; Eye Irrit. 2, H319 ATE oral = 2.000,000 mg/kg ATE dermal = 5.010,000 mg/kg	ND	121-33-5	204-465-2	ND
2-tert-Butylcyclohexyl acetate - FEMA 0	>= 1 < 5%	Aquatic Chronic 2, H411 1 1 ATE oral = 3.000,000 mg/kg ATE dermal = 5.000,000 mg/kg	ND	88-41-5	201-828-7	01-2119970 713-33
Coumarin	>= 1 < 5%	Acute Tox. 3, H301; Skin Sens. 1, H317; STOT RE 2, H373 ATE oral = 290,000 mg/kg ATE dermal = 242,000 mg/kg	ND	91-64-5	202-086-7	01-2119943 756-26-000 0
pentyl salicylate - FEMA 0	>= 1 < 5%	Acute Tox. 4, H302; Aquatic Acute 1, H400; Aquatic Chronic 1, H410 1 1 ATE oral = 15,800 mg/kg	ND	2050-08-0	218-080-2	01-2120771 342-58
α -Hexylcinnamaldehyde	>= 0,1 < 1%	Skin Sens. 1, H317; Aquatic Acute 1, H400; Aquatic Chronic 2, H411 ATE oral = 2.450,000 mg/kg	ND	101-86-0	202-983-3	01-2119533 092-50
4-tert-Butylcyclohexyl acetate - FEMA 0	>= 0,1 < 1%	Skin Sens. 1B, H317; Aquatic Chronic 2, H411 1 1 ATE oral = 5.000,000 mg/kg ATE dermal = 5.000,000 mg/kg	ND	32210-23-4	250-954-9	01-2119976 286-24
ETHYL TRIMETHYLCYCLOPENTENE BUTENOL - FEMA 0	>= 0,1 < 1%	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Aquatic Acute 1, H400; Aquatic Chronic 1, H410 1 1 ATE oral = 5.000,000 mg/kg ATE dermal = 2.000,000 mg/kg	ND	28219-61-6	248-908-8	ND
1,3-benzodioxole-5-carbaldehyde - FEMA 0	>= 0,1 < 1%	Skin Sens. 1B, H317 ATE oral = 2.700,000 mg/kg ATE dermal = 5.000,000 mg/kg	ND	120-57-0	204-409-7	ND
cis-4-(isopropyl)cyclohexanemet	>= 0,1 < 1%	Skin Irrit. 2, H315;	ND	13828-37-0	237-539-8	ND

Substance	Concentration[w/w]	Classification	Index	CAS	EINECS	REACH
hanol - FEMA 0		Skin Sens. 1, H317 ATE oral = 825,000 mg/kg ATE dermal = 2.000,000 mg/kg				
Cedarwood essential oil	>= 0,1 < 1%	Asp. Tox. 1, H304; Skin Corr. 1C, H314; Skin Sens. 1B, H317; Aquatic Chronic 2, H411 1 1 ATE oral > 5.000,000 mg/kg ATE dermal > 5.000,000 mg/kg	ND	85085-29-6	285-360-9	01-2120743 168-52
2-Propenyl heptanoate - FEMA 2031	>= 0,1 < 1%	Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; Aquatic Acute 1, H400; Aquatic Chronic 2, H411 1 1 ATE oral = 218,000 mg/kg ATE dermal = 810,000 mg/kg ATE inhal = 3,000 mg/l/4 h	ND	142-19-8	205-527-1	ND

SECTION 4. First aid measures

4.1. Description of first aid measures

Inhalation:

Air the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated area. If you feel unwell seek medical advice.

Direct contact with skin (of the pure product):

Take contaminated clothing Immediately off.
Wash immediately with plenty of running water and possibly with soap, the areas of the body that have, or are only suspected to have, come in contact with the product.
In case of contact with skin, wash immediately with soap and water.

Direct contact with eyes (of the pure product):

Wash immediately and thoroughly with running water, keeping eyelids open for at least 10 minutes, then protect your eyes with a dry sterile gauze. Seek medical advice immediately
Do not use eye drops or ointments of any kind before the examination or advice from an oculist.

Ingestion:

The product is harmful and can cause irreversible damages even following a single exposure if swallowed. Absolutely do not induce vomiting or emesis. Seek medical advice immediately.

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

No data available.

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

If skin irritation occurs: Get medical advice/attention.
Immediately call a POISON CENTER/doctor/physician

SECTION 5. Firefighting measures

5.1. Extinguishing media

Advised extinguishing agents:

Water spray, CO₂, foam, dry chemical, depending on the materials involved in the fire.

Extinguishing means to avoid:

Water jets. Use water jets only to cool the surfaces of the containers exposed to fire.

5.2. Special hazards arising from the substance or mixture

No data available.

5.3. Advice for firefighters

Use protection for the breathing apparatus

Safety helmet and full protective suit.

The spray water can be used to protect the people involved in the extinction

You may also use selfrespirator, especially when working in confined and poorly ventilated area and if you use halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...)

Keep containers cool with water spray

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel:

Leave the area surrounding the spill or release. Do not smoke

Wear mask, gloves and protective clothing.

6.1.2 For emergency responders:

Wear mask, gloves and protective clothing. Suitable: LaTeX, nitrile, PVC

Eliminate all unguarded flames and possible sources of ignition. No smoking.

Provision of sufficient ventilation.

Evacuate the danger area and, in case, consult an expert.

6.2. Environmental precautions

Contain spill with earth or sand.

If the product has entered a watercourse in sewers or has contaminated soil or vegetation, notify it to the authorities.

Discharge the remains in compliance with the regulations

6.3. Methods and material for containment and cleaning up

6.3.1 For containment:

Rapidly recover the product, wear a mask and protective clothing

Recover the product for reuse, if possible, or for removal. Possibly absorb it with inert material.

Prevent it from entering the sewer system.

6.3.2 For cleaning up:

To clean the floor and all objects contaminated by this material use soap and water.

After wiping up, wash with water the area and materials involved

6.3.3 Other information:
None in particular.

6.4. Reference to other sections

Refer to paragraphs 8 and 13 for more information

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Avoid contact and inhalation of vapors
Wear protective gloves/protective clothing/eye protection/face protection.
In residential areas do not use on large surfaces.
At work do not eat or drink.
Do not eat, drink or smoke when using this product.
Contaminated work clothing should not be allowed out of the workplace.
See also paragraph 8 below.

7.2. Conditions for safe storage, including any incompatibilities

Keep in original container closed tightly. Do not store in open or unlabeled containers.
Keep containers upright and safe by avoiding the possibility of falls or collisions.
Store in a cool place, away from sources of heat and direct exposure of sunlight.

7.3. Specific end use(s)

Industrial Manufacturing:
Handle with extreme caution.
Store in a well ventilated place away from heat sources.

Public domain (administration, education, entertainment, services, craftsmen):
Handle with care. Store in a ventilated area and away from heat, keep the container tightly closed.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

- Substance: 1-(2,3,8,8-Tetramethyl-1,2,3,4,5,6,7,8-octahydronaphthalen-2-yl)ethanone

DNEL

Systemic effects Long term Workers inhalation = 1,76 (mg/m³)

Systemic effects Long term Workers dermal = 1,73 (mg/kg bw/day)

Systemic effects Short term Workers inhalation = 1,76 (mg/m³)

Systemic effects Short term Workers dermal = 1,73 (mg/kg bw/day)

PNEC

Sweet water = 0,0028 (mg/l)

sediment Sweet water = 3,73 (mg/kg/sediment)

Sea water = 0,00028 (mg/l)

sediment Sea water = 0,75 (mg/kg/sediment)

ground = 0,705 (mg/kg ground)

- Substance: α -Hexylcinnamaldehyde

DNEL

Systemic effects Long term Workers inhalation = 0,000078 (mg/m³)

Systemic effects Short term Workers inhalation = 0,00628 (mg/m³)

PNEC

Sweet water = 0,03 (mg/l)

sediment Sweet water = 47,7 (mg/kg/sediment)

Sea water = 0,003 (mg/l)
sediment Sea water = 4,77 (mg/kg/sediment)
ground = 9,51 (mg/kg ground)

8.2. Exposure controls



Appropriate engineering controls:
Industrial Manufacturing:
No specific monitoring foreseen

Public domain (administration, education, entertainment, services, craftsmen):
No specific monitoring foreseen

Individual protection measures:

(a) Eye / face protection

When handling the pure product use safety glasses (spectacles cage) (EN 166).

(b) Skin protection

(i) Hand protection

Handle with gloves. Gloves must be checked before use. Use a technique suitable for removing gloves (without touching the outer surface of the glove) to avoid the skin contact with this product. Dispose of contaminated gloves after use in accordance with current legislation and good laboratory practices. Wash and dry your hands. The selected protective gloves have to satisfy the requirements of EU directive 89/686 / EEC e the resulting EN 374 standards.

Full contact

Material: Nitrile rubber

minimum thickness: 0.11 mm

breakthrough time: 480 min

The choice of an appropriate glove depends not only on the material but also on other quality characteristics which vary from one manufacturer to another.

For the choice of the type of gloves to use consult the supplier / manufacturer of the gloves.

Observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves.

(ii) Other

When handling the pure product wear full protective skin clothing.

(c) Respiratory protection

Not needed for normal use.

(d) Thermal hazards

No hazard to report

Environmental exposure controls:

Related to contained substances:

Vanillin:

Individual protection

Eye/face protection

Safety glasses with side protection according to EN166 Use eye protection tested and approved in accordance with the requirements of appropriate technical standards as NIOSH (US) or EN 166 (EU)

Skin protection

Manipulate with gloves. The gloves should be checked before being used. Use a suitable technique for the removal of gloves (without touching the outside of the glove) to avoid skin contact with this product dispose of contaminated gloves after use in accordance with current legislation and good laboratory practices. Wash and dry your hands. Selected protective gloves shall comply with the requirements of EU Directive 89/686/EEC and EN 374 standards arising therefrom.

Full contact

Material: nitrile rubber
minimum thickness: 0.11 mm
Penetration time: 480 min
Material tested: Dermatrill (740/KCL Aldrich Z677272, size M)

Spraying contact

Material: nitrile rubber
minimum thickness: 0.11 mm
Penetration time: 480 min
Material tested: Dermatrill (740/KCL Aldrich Z677272, size M)

Data source: KCL GmbH, D-36124 Eichenzell, tel. +49 (0) 6659 87300, e-mail sales@kcl.de, test method: EN374
When used in solution, or mixed with other substances, and under conditions other than those mentioned in EN 374, contact the supplier of gloves approved by the EC. This recommendation applies to the Council and must be assessed by an Industrial Hygienist and a security officer aware of the specific situation of intended use by our customers. You should not be interpreted as an endorsement of a specific exposure scenario.

Physical protection

rainwear, protective equipment must be selected depending on the concentration and amount of hazardous substance in the workplace.

Respiratory protection

For low exposure levels to use respirators for dusts of P95 (US) type or of type P1 (EU EN 143). For most high security levels use cartridge type respirators OV/AG/P99 or ABEK-type P2 (EU EN 143). Use respirators and components tested and approved by the relevant standardisation bodies, such as the NIOSH (U.S.A.) CEN (EU).

Environmental exposure controls

Avoid spills or leaks, if this can be done without danger. Do not let product enter drains. The dump into the environment must be avoided.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical and chemical properties	Value	Determination method
Physical state	Liquid	
Colour	colorless	
Odour	caratteristico	
Odour threshold	not determined	
Melting point/freezing point	not determined	
Boiling point or initial boiling point and boiling range	irrelevant	
Flammability	nonflammable	

Physical and chemical properties	Value	Determination method
Lower and upper explosion limit	not determined	
Flash point	> 65 °C	ASTM D92
Auto-ignition temperature	not determined	
Decomposition temperature	not determined	
pH	not determined	
Kinematic viscosity	not determined	
Solubility	Completely soluble in water	
Water solubility	Completely soluble in water	
Partition coefficient n-octanol/water (log value)	not determined	
Vapour pressure	not determined	
Density and/or relative density	0,980 - 1,020 g /cm ³	
Relative vapour density	not determined	
Particle characteristics	not applicable	

9.2. Other information

Content of VOC ready to use condition: 21,81 %

9.2.1 Information with regard to physical hazard classes

a) Explosives

i) sensitivity to shock

Irrilevant

ii) effect of heating under confinement

Irrilevant

iii) effect of ignition under confinement

Irrilevant

iv) sensitivity to impact

Irrilevant

v) sensitivity to friction

Irrilevant

vi) thermal stability

Irrilevant

vii) package

Irrilevant

b) Flammable gases

i) Tci / explosion limits

Irrilevant

ii) fundamental burning velocity

Irrilevant

c) Aerosols
Irrilevant

d) Oxidising gases
Irrilevant

e) Gases under pressure
Irrilevant

f) Flammable liquids
Irrilevant

g) Flammable solids

i) burning rate, or burning time as regards metal powders
Irrilevant

ii) statement on whether the wetted zone has been passed
Irrilevant

h) Self-reactive substances and mixtures

i) decomposition temperature
Irrilevant

ii) detonation properties
Irrilevant

iii) deflagration properties
Irrilevant

iv) effect of heating under confinement
Irrilevant

v) explosive power, if applicable
Irrilevant

i) Pyrophoric liquids
Irrilevant

j) Pyrophoric solids

i) statement on whether spontaneous ignition occurs when poured or within five minutes thereafter, as regards solids in powder form
Irrilevant

ii) statement on whether pyrophoric properties could change over time
Irrilevant

k) Self-heating substances and mixtures

i) statement on whether spontaneous ignition occurs and the maximum temperature rise obtained
Irrilevant

ii) results of screening tests referred to in section 2.11.4.2 of Annex I to Regulation (EC) No 1272/2008, if relevant and available
Irrilevant

l) Substances and mixtures, which emit flammable gases in contact with water. The following information may be

provided

i) identity of the emitted gas, if known

Irrilevant

ii) statement on whether the emitted gas ignites spontaneously

Irrilevant

iii) gas evolution rate

Irrilevant

m) Oxidising liquids

Irrilevant

n) Oxidizing solids

Irrilevant

o) Organic peroxides

i) decomposition temperature

Irrilevant

ii) detonation properties

Irrilevant

iii) deflagration properties

Irrilevant

iv) effect of heating under confinement

Irrilevant

v) explosive power

Irrilevant

p) Corrosive to metals

i) metals that are corroded by the substance or mixture

Irrilevant

ii) corrosion rate and statement on whether it refers to steel or aluminium

Irrilevant

iii) reference to other sections of the safety data sheet with regard to compatible or incompatible materials

Irrilevant

q) Desensitised explosives

i) desensitising agent used

Irrilevant

ii) exothermic decomposition energy

Irrilevant

iii) corrected burning rate (Ac)

Irrilevant

iv) explosive properties of the desensitised explosive in that state

Irrilevant

9.2.2 Other safety characteristics

- a) mechanical sensitivity
Irrilevant
- b) self-accelerating polymerisation temperature
Irrilevant
- c) formation of explosible dust/air mixtures
Irrilevant
- d) acid/alkaline reserve
Irrilevant
- e) evaporation rate
Irrilevant
- f) miscibility
Irrilevant
- g) conductivity
Irrilevant
- h) corrosiveness
Irrilevant
- i) gas group
Irrilevant
- j) redox potential
Irrilevant
- k) radical formation potential
Irrilevant
- l) photocatalytic properties
Irrilevant

SECTION 10. Stability and reactivity

10.1. Reactivity

No reactivity hazards

10.2. Chemical stability

No hazardous reaction when handled and stored according to provisions.

10.3. Possibility of hazardous reactions

There are no hazardous reactions

10.4. Conditions to avoid

Nothing to report

10.5. Incompatible materials

It can ignite in contact with oxidants mineral acids.

10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

SECTION 11. Toxicological information

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

ATE(mix) oral = 376,3 mg/kg
ATE(mix) dermal = 270.000,0 mg/kg
ATE(mix) inhal = 1.000,0 mg/l/4 h

(a) acute toxicity: Harmful product: do not ingest

1-(2,3,8,8-Tetramethyl-1,2,3,4,5,6,7,8-octahydronaphthalen-2-yl)ethanone: TOXIC DOSE 1-LD > 50 5000 mg/kg (oral rat)

TOXIC DOSE 2-LD > 50 5000 mg/kg (skn-rbt)

2-tert-Butylcyclohexyl acetate: Dermal, rodent-rabbit: Ld50 = > 5000 mg/kg

Oral, rat: LD = 3000 mg/kg

pentyl salicylate: LC50 = 15.8 mg/L 83d Zebra fish (Brachydanio rerio)

α-Hexylcinnamaldehyde: Oral (rat) LD50: 2450 mg/kg

4-tert-Butylcyclohexyl acetate: Rats (10 per dose, sex and strain not reported) were administered 4-tert-butylcyclohexyl acetate by gavage at 5000 mg/kg-bw. No information on mortality was reported
Rabbits (4, sex and strain not reported) were administered 4-tert-butylcyclohexyl acetate dermally at 5000 mg/kg-bw. One rabbit died.

(b) skin corrosion/irritation: If brought into contact with the skin, the product causes significant inflammation with erythema, scabs, or edema.

4-tert-Butylcyclohexyl acetate: Rabbits (species, sex and number not specified) were administered 4-tert-butylcyclohexyl acetate dermally to the ears and backs. Observations of the backs included slight erythema after 1 and 5 min, severe erythema and slight edema at 15 min, and severe erythema and edema at 20 hours. On day 8, slight redness and severe scaling were observed. Observations of the ears included severe erythema and edema with blistering after 20 hours. Severe necrosis was recorded on day 8. (Bhatia, S.P., et al., Food and Chemical Toxicology 46 (2008) S36-S41) 4-tert-Butylcyclohexyl acetate was irritating to rabbit skin

2-Propenyl heptanoate: Skin - human

Result: Slight skin irritation - 48 h

Skin - Rabbit

Result: Modest skin irritation - 24 h

(c) serious eye damage/irritation: If brought into contact with eyes, the product causes serious damages to eyes, such as an opaque cornea or injury to iris.

2-tert-Butylcyclohexyl acetate: Draize test, rabbit and rodent skin: 500 mg/12:0 am Moderate

4-tert-Butylcyclohexyl acetate: Albino rabbits (3/sex dose not specified) were instilled 0.1 mL aliquot of 0.625% solution (vehicle not reported) into the right eye of each rabbit with no further treatment while the left eye served as control. Scores were recorded according to the Draize scale. Slight to moderate irritation with conjunctival chemosis and discharge were observed in all three rabbits (mean score for redness and 1.9 for 1 chemosis). All eyes cleared by day 4. (Bhatia, S.P., et al., Food and Chemical Toxicology 46 (2008) S36-S41) 4-tert-Butylcyclohexyl acetate was irritating to rabbit eyes.

(d) respiratory or skin sensitisation: The product, if brought into contact with skin can cause skin sensitization.

Coumarin: Test: Inhalation Sensitization Route: Inhalation Species: Rat = 293 mg/kg
Test: Inhalation Sensitization Route: Inhalation Species: Mouse = 196 mg/kg

(e) germ cell mutagenicity: 4-tert-Butylcyclohexyl acetate: Salmonella typhimurium strains TA98, TA100, TA1535, TA1537 and Ta 1538 were exposed to 4-tert-butylcyclohexyl acetate at 8 to 5000 g/plate in a bacterial reverse mutation assay in the presence and absence of metabolic activation. Positive and negative controls were used but their response was not provided. Cytotoxicity was observed at and above 200 g/plate.

4-tert-Butylcyclohexyl acetate was not mutagenic in this assay.

(f) carcinogenicity: based on available data, the classification criteria are not met.

(g) reproductive toxicity: based on available data, the classification criteria are not met.

(h) specific target organ toxicity (STOT) single exposure: based on available data, the classification criteria are not met.

(i) specific target organ toxicity (STOT) repeated exposure 4-tert-Butylcyclohexyl acetate: In a modified developmental toxicity screening test (OCED TG 421), CrI: CD pregnant (SD) rats were administered 4-tert-butylcyclohexyl acetate (a mixture of 71% 28% trans and cis) in corn oil by gavage at 0, 40, 160 or 640 mg/kg-bw per day during gestation days 7-20. Rats were Caesarean-sectioned on day 21 of gestation and examined for number and distribution of corpora lutea, implantation sites and placenta. Live and dead fetuses and early and late resorptions were recorded. Fetuses were examined for sex ratio, gross external alterations and skeletal and soft tissue alterations. There were no effects on maternal body weights, weight gain, food consumption or organ weights. Pup viability, body weights, external observations and microscopic examination showed no significant alterations that could be related to the administration of the test substance.

NOAEL (maternal or developmental toxicity) = 640 mg/kg-bw/day (based on no effects at the highest dose tested)

(j) aspiration hazard: based on available data, the classification criteria are not met.

Related to contained substances:

Alcohols, C12-15-branched and linear, ethoxylated (>2.5 moles EO):

LD50 (rat) Oral (mg/kg body weight) > 300

LD50 Dermal (rat or rabbit) (mg/kg body weight) > 2000

alpha-Isomethyl ionone:

LD50 (rat) Oral (mg/kg body weight) = 2000

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 5000

3,7-dimethyloctan-3-ol:

LD50 oral, rat-> 5,000 mg/kg oral rat

Ld50-4,500 mg/kg Inhalation-rat

LCLO-male and female-8h-0.885 mg/l

LD50 (rat) Oral (mg/kg body weight) = 5000

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 4500

CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 0,885

1-(2,3,8,8-Tetramethyl-1,2,3,4,5,6,7,8-octahydronaphthalen-2-yl)ethanone:

LD50 (rat) Oral (mg/kg body weight) = 5000

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 5000

Vanillin:

LD50 (rat) Oral (mg/kg body weight) = 2000

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 5010

2-tert-Butylcyclohexyl acetate:

LD50 (rat) Oral (mg/kg body weight) = 3000

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 5000

Coumarin:

Acute oral LD50 for rats: 293mg/kg

Acute oral LD50 for mice: 196mg/kg

Irritant data: Not determined

Inhalation data: Not determined

Mutagenicity data: Not determined

LD50 (rat) Oral (mg/kg body weight) = 290

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 242

pentyl salicylate:

LD50 (rat) Oral (mg/kg body weight) = 15,8

α -Hexylcinnamaldehyde:

LD50 (rat) Oral (mg/kg body weight) = 2450

4-tert-Butylcyclohexyl acetate:

LD50 (rat) Oral (mg/kg body weight) = 5000

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 5000

ETHYL TRIMETHYLCYCLOPENTENE BUTENOL:

LD50 (rat) Oral (mg/kg body weight) = 5000

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 2000

1,3-benzodioxole-5-carbaldehyde:

Oral LD50 - Rat - 2,700 mg/kg Observations: Behavior: somnolence (generic depressive activity) Behavior: arousal

Behavior: ataxia Dermal LD50 - Rat - > 5,000 mg/kg

LD50 (rat) Oral (mg/kg body weight) = 2700

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 5000

cis-4-(isopropyl)cyclohexanemethanol:

LD50 (oral, rat) (OECD 401: limit) : 825 mg/kg

LD50 (dermal, rabbit) (OECD 402 : limit) : > 2000 mg/kg

Irritation (dermal) (HRIPT) : non irritant @ 10%

Irritation (ocular) (FHSA) : mildly irritant @ 100%

Sensitization (HRIPT) : non sensitizing @ 10%

LD50 (rat) Oral (mg/kg body weight) = 825

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 2000

Cedarwood essential oil:

LD50 (rat) Oral (mg/kg body weight) > 5000

LD50 Dermal (rat or rabbit) (mg/kg body weight) > 5000

2-Propenyl heptanoate:

LD50 Oral - Rat - 500 mg / kg

Observations: Behavior: sleepiness (general depressive activity) Behavior: ataxia

LD50 Oral - Mouse - 630 mg / kg

Observations: Behavior: sleepiness (general depressive activity)

LD50 Dermal - Rabbit - 810 mg / kg

LD50 (rat) Oral (mg/kg body weight) = 218

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 810

CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 3

11.2. Information on other hazards

No data available.

11.2.1. Endocrine disrupting properties

Based on available data, there are no substances that interfere with the Endocrine System in accordance with Regulation (EU) 2017/2100

SECTION 12. Ecological information

12.1. Toxicity

Related to contained substances:

Alcohols, C12-15-branched and linear, ethoxylated (>2.5 moles EO):
C(E)L50 (mg/l) = 1

alpha-Isomethyl ionone:
C(E)L50 (mg/l) = 2,3

3,7-dimethyloctan-3-ol:
Toxic to fish Lc50 semi-static test-Danio rerio (zebrafish)-8.9 mg/l-96 h
method: OECD 203 semi-static test TG
NOEC-Danio rerio (zebrafish)-5 mg/l-96 h
method: OECD 203 Toxic TG to daphnia and other aquatic invertebrates – Daphnia magna Ec50 Immobilization (big water Flea)-14.2 mg/l-48 h method: OECD TG 202 Immobilization NOEC-Daphnia magna (water Flea grande)-8.2 mg/l-48 h Method: OECD TG 202 Toxic for algae growth Inhibition Ec50 Desmodesmus subspicatus-(green algae)-13.2 mg/l-72 h method: OECD 201 TG NOEC growth-inhibitor Desmodesmus subspicatus (green algae)-8.5 mg/l-72 h method: OECD 201 TG
C(E)L50 (mg/l) = 8,9 1
1

1-(2,3,8,8-Tetramethyl-1,2,3,4,5,6,7,8-octahydronaphthalen-2-yl)ethanone:
Endpoint: LC50 species: Iepomis macrochirus (fish-salt Bluegrill) = 1.30 mg/l-h Duration: 96-Note:: method: OECD 203 TG
Endpoint: EC50-species: Daphnia magna (Water flea) = 1.38 mg/l-h Duration: 48-comments:: semi-static test method: OECD TG 202
Endpoint: EC50 Desmodesmus subspicatus-species (green algae) = 2.60 mg/l-h Duration: 72-
Note:: static test method: OECD TG201
C(E)L50 (mg/l) = 1,3 1
1

Vanillin:
Semi-static test Lc50-Pimephales promelas (Chub)-57 mg/l-96 h
Static Lc50-Pimephales promelas (Chub)-88 mg/l-96 h
Flow-through Lc50 test-Pimephales promelas (Chub) 53-61.3 mg/l 96 h
C(E)L50 (mg/l) = 57 1
1

2-tert-Butylcyclohexyl acetate:
Toxicity to daphnia (EC50 mg/l) as predicted by v. Topkat 6.1 9.8 mg/l
C(E)L50 (mg/l) = 9,8 1
1

Coumarin:
Toxicity to fish LC50 - Poecilia reticulata (guppy) - 56 mg/l - 96 h
Toxicity to daphnia and other aquatic invertebrates LC50 - Daphnia magna (Water flea) - 3.5 mg/l - 48 h
C(E)L50 (mg/l) = 13,5 1
1

α-Hexylcinnamaldehyde:
Freshwater Fish Toxicity: acute LC50 >1-10 mg/L
Freshwater Invertebrates Toxicity: acute EC <1 mg/L
Algal Toxicity: acute EC <1 mg/L.
C(E)L50 (mg/l) = 0,99

4-tert-Butylcyclohexyl acetate:

Golden ide (*Leuciscus idus*) were exposed to 4-tert-butylcyclohexyl acetate at nominal concentrations of 0, 10, 13, 16 and 20 mg/L under static conditions for 48 hours. EF Marlowet was used as a solubilizer. Mortality was 0, 10, 100 and 80% at 10, 13, 16 and 20 mg/L.

48-h LC50 = 14 mg/L

Water fleas (*Daphnia magna*) were exposed to 4-tert-butylcyclohexyl acetate at nominal concentrations of 2.8 to 28.4 mg/L (measured concentrations, 2.4 to 28.4 mg/L) under static conditions for 48 hours.

48-h EC50 = 23.4 mg/L

C(E)L50 (mg/l) = 14

1

cis-4-(isopropyl)cyclohexanemethanol:

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

Ready biodegradability (OECD 301C) : 55%

Inherent biodegradability (OECD 302C): Inherently biodegradable

1

1

The product is dangerous for the environment as it is toxic to aquatic organisms following acute exposure.

Use according to good working practices to avoid pollution into the environment.

12.2. Persistence and degradability

Related to contained substances:

3,7-dimethyloctan-3-ol:

aerobic-28 d exposure time Result: 60-70%-Rapidly biodegradable.

Method: OECD TG 301

pentyl salicylate:

Pentyl 2-hydroxybenzoate is predicted to be readily degradable.

12.3. Bioaccumulative potential

Related to contained substances:

Coumarin:

Bioaccumulation *Leuciscus idus melanotus* - 3 d -46 µg/l

Bioconcentration factor (BCF): < 10

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

Based on the available data, no PBT or vPvB substances are present in accordance with Regulation (EC) 1907/2006, annex XIII

12.6. Endocrine disrupting properties

Based on available data, there are no substances that interfere with the Endocrine System in accordance with Regulation (EU) 2017/2100

12.7. Other adverse effects

No adverse effects

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Do not reuse empty containers. Dispose of them in accordance with the regulations in force. Any remaining product should be disposed of according to applicable regulations by addressing to authorized companies.

Recover if possible. Send to authorized discharge plants or for incineration under controlled conditions. Operate according to local and National rules in force

SECTION 14. Transport information

14.1. UN number or ID number

ADR/RID/IMDG/ICAO-IATA: 3082



ADR exemption because compliance with the following characteristics:

Combination packagings: per inner packaging 5 L per package 30 kg

Inner packagings placed in shrink-wrapped or stretch-wrapped trays: per inner packaging 5 L per package 20 kg

14.2. UN proper shipping name

ADR/RID/IMDG: MATERIA PERICOLOSA PER L'AMBIENTE, LIQUIDA, N.A.S. (alpha-ISOMETHYL IONONE, 1',2',3',4',5',6',7',8'-ottaidro-2',3',8',8'-tetrametil-2'-acetonaftone, Coumarin, salicilato di pentile, α -Hexylcinnamaldehyde, acetato di 2-terz-butilcicloesile, acetato di 4-terz-butilcicloesile, ETHYL TRIMETHYLCYCLOPENTENE BUTENOL, 2-Propenyl heptanoate)

ADR/RID/IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (alpha-Isomethyl ionone, 1-(2,3,8,8-Tetramethyl-1,2,3,4,5,6,7,8-octahydronaphthalen-2-yl)ethanone, Coumarin, pentyl salicylate, α -Hexylcinnamaldehyde, 2-tert-Butylcyclohexyl acetate, 4-tert-Butylcyclohexyl acetate, ETHYL TRIMETHYLCYCLOPENTENE BUTENOL, 2-Propenyl heptanoate)

ICAO-IATA: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (alpha-Isomethyl ionone, 1-(2,3,8,8-Tetramethyl-1,2,3,4,5,6,7,8-octahydronaphthalen-2-yl)ethanone, Coumarin, pentyl salicylate, α -Hexylcinnamaldehyde, 2-tert-Butylcyclohexyl acetate, 4-tert-Butylcyclohexyl acetate, ETHYL TRIMETHYLCYCLOPENTENE BUTENOL, 2-Propenyl heptanoate)

14.3. Transport hazard class(es)

ADR/RID/IMDG/ICAO-IATA: Class : 9

ADR/RID/IMDG/ICAO-IATA: Label : Limited quantities

ADR: Tunnel restriction code : --

ADR/RID/IMDG/ICAO-IATA: Limited quantities : 5 L

IMDG - EmS : F-A, S-F

14.4. Packing group

ADR/RID/IMDG/ICAO-IATA: III

14.5. Environmental hazards

ADR/RID/ICAO-IATA: Product is environmentally hazardous

IMDG: Marine polluting agent : Yes

14.6. Special precautions for user

No data available.

14.7. Maritime transport in bulk according to IMO instruments

It is not intended to carry bulk

SECTION 15. Regulatory information

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

Seveso category:

E2 - ENVIRONMENTAL HAZARDS

REGULATION (EU) No 1357/2014 - waste:

HP4 - Irritant — skin irritation and eye damage

HP14 - Ecotoxic

Substances in the Candidate List (REACH Article 59)

Based on available data, no SVHC substances are present

15.2. Chemical safety assessment

The supplier has made an assessment of chemical safety

SECTION 16. Other information

16.1. Other information

Description of the hazard statements exposed to point 3

H302 = Harmful if swallowed.

H318 = Causes serious eye damage.

H412 = Harmful to aquatic life with long lasting effects.

H315 = Causes skin irritation.

H319 = Causes serious eye irritation.

H411 = Toxic to aquatic life with long lasting effects.

H317 = May cause an allergic skin reaction.

H400 = Very toxic to aquatic life.

H410 = Very toxic to aquatic life with long lasting effects.

H301 = Toxic if swallowed.

H373 = May cause damage to organs through prolonged or repeated exposure .

H304 = May be fatal if swallowed and enters airways.

H314 = Causes severe skin burns and eye damage.

H311 = Toxic in contact with skin.

H331 = Toxic if inhaled.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008

H302 - Harmful if swallowed. Classification procedure: Calculation method

H315 - Causes skin irritation. Classification procedure: Calculation method

H317 - May cause an allergic skin reaction. Classification procedure: Calculation method

H318 - Causes serious eye damage. Classification procedure: Calculation method

H411 - Toxic to aquatic life with long lasting effects. Classification procedure: Calculation method

Main normative references:



SAFETY DATA SHEET

Hygienfresh Essenza W+P Ambra & Vanilla

Issued on 04/14/2025 - Rel. # 1 on 04/14/2025

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In conformity to Regulation (EU) 2020/878

Directive 1999/45/EC
Directive 2001/60/EC
Regulation 1272/2008/EC
Regulation 2010/453/EC

** The information contained herein is based on our knowledge at the date above.

Related solely to the product and do not constitute a guarantee of a particular quality.

It is the duty of the user to ensure that these are appropriate and complete information regarding the specific use intended.

This data sheet cancels and replaces any previous edition.
