

SECTION 1. Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product code : Hygienfresh Deodiffusori Arancia & Cannella
Trades code : A80-095
Product line: Hygienfresh

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

Fragrance Diffuser sticks-exciting environment of long duration

Sectors of use:

Private households (= general public = consumers)[SU21], 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:

GHS02, GHS07, GHS09

Hazard Class and Category Code(s):

Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1, Eye Irrit. 2, Aquatic Chronic 2

Hazard statement Code(s):

H226 - Flammable liquid and vapour.

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H319 - Causes serious eye irritation.

H411 - Toxic to aquatic life with long lasting effects.

The product is a liquid that ignites at temperatures above 21 °C if it exposed to an ignition source.

If brought into contact with eyes, the product causes significant irritations which may last for more than 24 hours, if brought into contact with skin, it causes significant inflammation with erythema, scabs, or edema

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

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

2.2. Label elements

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



Pictogram, Signal Word Code(s):

GHS02, GHS07, GHS09 - Warning

Hazard statement Code(s):

H226 - Flammable liquid and vapour.

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H319 - Causes serious eye irritation.

H411 - Toxic to aquatic life with long lasting effects.

Supplemental Hazard statement Code(s):

not applicable

Precautionary statements:

General

P102 - Keep out of reach of children.

Prevention

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

P273 - Avoid release to the environment.

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.

P337+P313 - If eye irritation persists: Get medical advice/attention.

Disposal

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

Contains:

dipentene, cinnamaldehyde, Linalool, Eugenol

Geraniol, Litsea cubeba oil, Clove Leaf Oil: It can produce an allergic reaction.

Packaging to be fitted with a tactile warning

Content of VOC ready to use condition: 31,00 %

2.3. Other hazards

The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

No information on other hazards

SECTION 3. Composition/information on ingredients**3.1 Substances**

Irrelevant

3.2 Mixtures

Refer to paragraph 16 for full text of hazard statements

| Substance | Concentration | Classification | Index | CAS | EINECS | REACH |
|-----------|---------------|---|--------------|-----------|-----------|-------------------------|
| ethanol | > 10 <= 20% | Flam. Liq. 2, H225 | 603-002-00-5 | 64-17-5 | 200-578-6 | |
| dipentene | > 5 <= 10% | Flam. Liq. 3, H226; Skin Irrit. 2, H315; | 601-029-00-7 | 5989-27-5 | 205-341-0 | 01-2119529 223-47-00 |

| Substance | Concentration | Classification | Index | CAS | EINECS | REACH |
|-------------------------------|---------------|--|-------|------------|-----------|--------------------------------|
| | | Skin Sens. 1, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410 | | | | 01 |
| cinnamaldehyde | > 1 <= 5% | Acute Tox. 4, H312; Skin Irrit. 2, H315; Skin Sens. 1, H317; Eye Irrit. 2, H319 | | 104-55-2 | 203-213-9 | |
| Linalool | > 1 <= 5% | Skin Irrit. 2, H315; Eye Irrit. 2, H319 | | 78-70-6 | 201-134-4 | 01-2119485 965-18-xxxx x |
| diethyl phthalate - FEMA 0 | > 1 <= 5% | Eye Irrit. 2, H319 | | 84-66-2 | 201-550-6 | 01-2119430 458-38-000 0 |
| Eugenol | > 0,1 <= 1% | Skin Irrit. 2, H315; Eye Irrit. 2, H319 | | 97-53-0 | 202-589-1 | 01-2119971 802-33-000 0 |
| Citronellol | > 0,1 <= 1% | Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335 | | 106-22-9 | 203-375-0 | 01-2119453 995-23-000 0 |
| Geraniol - FEMA 2507 | > 0,1 <= 1% | Skin Irrit. 2, H315; Skin Sens. 1, H317; Eye Dam. 1, H318 | | 106-24-1 | 203-377-1 | 01-2119552 430-49-000 0 |
| Litsea cubeba oil - FEMA 2624 | > 0,1 <= 1% | Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Chronic 1, H410 | | 68855-99-2 | 290-018-7 | |
| Clove Leaf Oil - FEMA 0 | > 0,1 <= 1% | Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Sens. 1, H317; Eye Irrit. 2, H319 | | 8000-34-8 | 284-638-7 | |

Fractionated global values

| | | | | | | | |
|------|---------|------|--------|------|---------|------|---------|
| H225 | = 20,00 | H226 | = 7,60 | H315 | = 17,80 | H317 | = 13,20 |
| H400 | = 7,00 | H410 | = 7,40 | H319 | = 12,00 | H312 | = 5,00 |
| H335 | = 0,80 | H318 | = 0,60 | H304 | = 0,60 | | |

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 water and soap.

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

Ingestion:

Not hazardous. It's possible to give activated charcoal in water or liquid paraffin medicine

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.

If eye irritation persists: Get medical advice/attention.

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

SECTION 5. Firefighting measures**5.1. Extinguishing media**

Advised extinguishing agents:

CO2 or dry powder extinguisher

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 gloves and protective clothing

6.1.2 For emergency responders:

Wear gloves and protective clothing

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:

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
Do not smoke at work
At work do not eat or drink.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection.
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.
Keep away from open flames, sparks and heat sources. Avoid direct sunlight exposure.

7.3. Specific end use(s)

Private households (= general public = consumers):

Handle with care.

Store in ventilated place away from heat sources,

Keep the container tightly closed.

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**

Related to contained substances:

ethanol:

Component CAS-No. Value Control parameters

Basis

Ethanol-17-64 TWA 5 ppm 1.000

1.920 mg/m³

UK. EH40 WEL-Workplace Exposure Limits

Remarks Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used

dipentene:

TWA: 30 from AIHA

TWA: 165.5 (mg/m³) from AIHA

- Substance: ethanol

DNEL

Systemic effects Long term Workers inhalation = 950 (mg/m³)

8.2. Exposure controls

Appropriate engineering controls:

Private households (= general public = consumers):

No specific checks planned

Public domain (administration, education, entertainment, services, craftsmen):

No specific monitoring foreseen

Individual protection measures:

(a) Eye / face protection

Not needed for normal use.

(b) Skin protection

(i) Hand protection

When handling the pure product use chemical resistant protective gloves (EN 374-1/EN374-2/EN374-3)

(ii) Other

Wear normal work clothing.

(c) Respiratory protection

Not needed for normal use.

(d) Thermal hazards

No hazard to report

Environmental exposure controls:

Related to contained substances:

dipentene:

Do not let this chemical agent contaminate the environment.



SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

| Physical and chemical properties | Value | Determination method |
|---|----------------|----------------------|
| Appearance | Clear liquid | |
| Odour | characteristic | |
| Odour threshold | not determined | |
| pH | irrelevant | |
| Melting point/freezing point | not determined | |
| Initial boiling point and boiling range | not determined | |

| Physical and chemical properties | Value | Determination method |
|--|----------------------|----------------------|
| Flash point | 20 °C | ASTM D92 |
| Evaporation rate | irrelevant | |
| Flammability (solid, gas) | flammable | |
| Upper/lower flammability or explosive limits | not determined | |
| Vapour pressure | not determined | |
| Vapour density | not determined | |
| Relative density | not determined | |
| Solubility | not soluble in water | |
| Water solubility | not soluble in water | |
| Partition coefficient: n-octanol/water | not determined | |
| Auto-ignition temperature | not determined | |
| Decomposition temperature | not determined | |
| Viscosity | not determined | |
| Explosive properties | not explosive | |
| Oxidising properties | non-oxidizing | |

9.2. Other information

Content of VOC ready to use condition: 31,00 %

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

Avoid contact with combustible materials. The product could catch fire.
heat, open flames, sparks or hot surfaces.

10.5. Incompatible materials

It can generate inflammable gases to contact with elementary metals, nitrides, strong reducing agents.
It can ignite in contact with oxidants mineral acids, elementary metals, nitrides, organic peroxides, organic water peroxides, oxidating and reducing agents.

10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

SECTION 11. Toxicological information**11.1. Information on toxicological effects**

ATE(mix) oral = ∞
ATE(mix) dermal = 22.000,0 mg/kg
ATE(mix) inhal = ∞

(a) acute toxicity: ethanol: LD50 Oral-rat-7.060 mg/kg

Remarks: Lungs, Thorax, or Respiration: Other changes.

LC50 Inhalation-rat-10:0-20000 ppm

dipentene: LD50 Oral-rat-4.400 mg/kg

Remarks: Behavioral: Change in motor activity (specific assay). Respiratory disorder Skin and Appendages:

Other: Hair. Inhalation: Irritating to respiratory system.

LD50 Dermal-rabbit->5.000 mg/kg

Citronellol: orl-rat LD50:3450 mg/kg

skn-rbt LD50:2650 mg/kg

ihl-rat LCLo:1.3 mg/m³/4H

Geraniol: Oral, rat: LD50 = 3500 mg/kg

Skin, rabbit: LD50 = >5000 mg/kg

IHL-rat TCLo: 0.5 mg/m³/4:00

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

ethanol: Skin-rabbit

Result: Irritating to skin. -12:0 am

Citronellol: skn-rbt 100 mg/24H SEV

Skin - Human - Skin irritation - 48 h

Geraniol: SKN-rbt 100 mg/12:00 am SEV

SKN-gpg 100 mg/12:00 am SEV

SKN-man 12:00 am 16 mg/SEV

(c) serious eye damage/irritation: If brought into contact with eyes, the product, causes significant irritations which may last for more than 24 hours.

ethanol: Eyes-rabbit

Result: Mild eye irritation-12:0 am

(Draize Test)

Geraniol: Eyes-rabbit

Result: Risk of serious damage to eyes. -12:00 am

(Directive 67/548/EEC, Annex V, b. 5.)

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

Citronellol: mouse - May cause sensitization by skin contact.

Geraniol: Guinea pig

May cause sensitisation by skin contact.

(e) germ cell mutagenicity: based on available data, the classification criteria are not met.

(f) carcinogenicity: dipentene: Carcinogenicity-rat-Oral

Tumorigenic: Carcinogenic by RTECS criteria. Kidney, Ureter, Bladder: Kidney tumors. Tumorigenic Effects: Testicular tumors.

Carcinogenicity-mouse-Oral

Equivocal tumorigenic agent by RTECS criteria: Tumorigenic. Gastrointestinal: Tumors.

This product is or contains a component that is not classifiable as to its carcinogenicity IARC, ACGIH, NTP, based on its or EPA classification.

IARC: Group 3-3: Not classifiable as to its carcinogenicity to humans (D-Limonene)

Geraniol: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

(g) reproductive toxicity: ethanol: Reproductive toxicity-Human-female-Oral

Effects on Newborn: Apgar score (human only). Effects on Newborn: Other measures or neonatal effects.

Effects on Newborn: Drug dependence.

(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 based on available data, the classification criteria are not met.

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

Related to contained substances:

ethanol:

ROUTES of EXPOSURE: the substance can be absorbed into the body by inhalation of its fumes and ingestion.

INHALATION RISK: A harmful contamination of the air will be reached quite slowly due to evaporation of the substance at 20 C.

Effects of short-term exposure: the substance is irritating to the eyes. Inhalation of high vapour can cause irritation of the eyes and respiratory tract. The substance may cause effects on the central nervous system effects of REPEATED EXPOSURE or long term: the liquid degreasing the skin features. The substance may have an effect on the high central nervous system respiratory tract, causing irritation, headaches, fatigue and lack of concentration. See Notes.

ACUTE HAZARDS/Symptoms INHALATION Cough. Headaches. Fatigue. Drowsiness.

CUTE CUTE.

EYE Redness. Pain. Burning.

SWALLOWED burning sensation. Headaches. Confusion. Vertigo. State of unconsciousness.

N O T and consumption of ethanol during pregnancy can have adverse effects on the unborn child. Chronic ethanol ingestion can cause cirrhosis of the liver.

LD50 (rat) Oral (mg/kg body weight) = 7060

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 20000

CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 20000

dipentene:

Routes of Entry: Absorbed through skin. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:

Acute oral toxicity (LD50): 4400 mg/kg [Rat].

Acute dermal toxicity (LD50): >5000 mg/kg [Rabbit].

Chronic Effects on Humans: CARCINOGENIC EFFECTS: 3 (Not classifiable for human.) by IARC.

Other Toxic Effects on Humans:

Hazardous in case of skin contact (irritant, sensitizer), of inhalation (lung irritant).

Slightly hazardous in case of skin contact (permeator), of ingestion.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: May cause adverse reproductive effects and birth defects (teratogenic)

Special Remarks on other Toxic Effects on Humans:

Acute Potential Health Effects:

Skin: Causes skin irritation. It can be absorbed through intact skin. However, it is generally regarded to have low toxicity by dermal route.

Eyes: Causes eye irritation.

Inhalation: Aspiration of large doses may produce pulmonary edema and chemical pneumonitis. May cause dizziness and suffocation. No nasal or pharyngeal irritation has been reported.

Ingestion: It is generally regarded to have low toxicity by oral route. It may produce burning pain in the mouth and throat, abdominal pain, nausea, vomiting, and diarrhea. There may an odor of terpenes in the vomitus or breath.

It may affect behavior/central nervous and peripheral nervous system. Central nervous system effects may include excitement, somnolence, delirium, ataxia, convulsions, and stupor while peripheral system effects may include spastic paralysis. It may affect respiration (respiratory depression, choking, coughing, dyspnea, cyanosis). Other symptoms may include cyanosis, fever, and tachycardia. Systemic absorption of large doses may produce pulmonary edema and chemical pneumonitis. The urine may smell like violets.

Chronic Potential Health Effects:

Ingestion: Prolonged or repeated ingestion may produce nausea, lowered blood sugar and cholesterol, and kidney damage (hematuria, albuminuria, tubular necrosis), and may also affect the liver.

Skin: It may be a weak sensitizer and responsible for some rare allergic responses (dermatitis)

LD50 (rat) Oral (mg/kg body weight) = 4400

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

cinnamaldehyde:

Oral LD50-rat-2,220 mg/kg

Observations: behavior: somnolence (General depressed activity) Diarrhea

LD50 (rat) Oral (mg/kg body weight) = 2200

Linalool:

LD50 (rat) Oral (mg/kg body weight) = 2790

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 5610

CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 307

diethyl phthalate:

Oral LD50/rat: mg/kg 8600

Inhalation LC50/rat: 7.5 mg/l/4:0

LD50 dermal/guinea pig: 22400 > mg/kg

LD50 (rat) Oral (mg/kg body weight) = 8600

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 22400

CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 7,5

Eugenol:

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

Citronellol:

LD50 (rat) Oral (mg/kg body weight) = 3450

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 2650

CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 1,3

Geraniol:

LD50 (rat) Oral (mg/kg body weight) = 3500

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

CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 0,5

Litsea cubeba oil:

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

LD50 Dermal-rabbit-4,800 mg/kg

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

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 4800

Clove Leaf Oil:

Oral LD50-rat-2,650 mg/kg

LD50 Dermal-rabbit-5,000 mg/kg

LD50 (rat) Oral (mg/kg body weight) = 2650

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

SECTION 12. Ecological information**12.1. Toxicity**

Related to contained substances:

ethanol:

C(E)L50 (mg/l) = 11200

dipentene:

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation: Not available.

C(E)L50 (mg/l) = 0,702

Linalool:

Fish: 96h LC50:39 mg/L (*Oryzias latipes*)

Crustacea: 48h EC50:52 mg/L (*Daphnia magna*)

Algae: 72h EC50:28 mg/L (*Selenastrum capricornutum*)

C(E)L50 (mg/l) = 27,799999

diethyl phthalate:

Acute toxicity to fish:

Blue gill/EC50 (83d): 17 mg/l

Rainbow trout/LC50 (83d): 12 mg/l

Acute toxicity to aquatic invertebrates:

Daphnia magna/EC50 (48 h): 86 mg/l

Mysid shrimp/LC50 (83d): 10 mg/l

Acute toxicity to microorganisms:

Green algae/EC50 (83d): 90 mg/l

Marine algae/EC50 (83d): 66 mg/l

C(E)L50 (mg/l) = 12

Eugenol:

Toxicity to fish Lc50-Danio rerio (zebrafish)-13 mg/l-96 h (OECD TEST GUIDELINE 203) Toxicity to daphnia and other aquatic invertebrates – *Daphnia* Ec50-1.13 mg/l-48 h

C(E)L50 (mg/l) = 1,13

Citronellol:

LC50 (96 h) 14,66 mg/l, *Leuciscus idus*

EC50 (48 h) 17 mg/l, *Daphnia magna*

EC50 (72 h) 2,4 mg/l, *Scenedesmus subspicatus*

C(E)L50 (mg/l) = 2,4

Geraniol:

static test LC50-zebrafish (zebra fish)-ca. 22 mg/l-96 h (OECD Test Guideline 203)

Broadcast application EC50-*Daphnia magna* (Water flea)-10.8 mg/l-48 h (OECD Test Guideline 202)

Growth inhibition EC50-*Desmodesmus subspicatus* (green algae)-13.1 mg/l-72 h

C(E)L50 (mg/l) = 10,8

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:

Linalool:

90 % (by BOD), 99 % (by TOC), 100 % (by GC)

Geraniol:

36 - 70 % (by BOD), 72 - 88 % (by TOC)

12.3. Bioaccumulative potential

Related to contained substances:

Linalool:
106**12.4. Mobility in soil**

Related to contained substances:

Linalool:
log Pow: 2.55
Soil adsorption (Koc): 75
Henry's Law constant(PaM3/mol): 2Geraniol:
log Pow: 3.47**12.5. Results of PBT and vPvB assessment**

The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

12.6. 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**

ADR/RID/IMDG/ICAO-IATA: 1993

ADR exemption because compliance with the following characteristics:

Combination packagings: per inner packaging 1 L per package 30 Kg

Inner packagings placed in shrink-wrapped or stretch-wrapped trays: per inner packaging 1 L per package 20 Kg

**14.2. UN proper shipping name**

ADR/RID/IMDG: FLAMMABLE LIQUID, N.O.S. (vapor pressure at 50 ° C is not more than 110 kPa) (ethanol, dipentene)

ICAO-IATA: FLAMMABLE LIQUID, N.O.S. (vapor pressure at 50 ° C is not more than 110 kPa) (ethanol, dipentene)

14.3. Transport hazard class(es)

ADR/RID/IMDG/ICAO-IATA: Class : 3

ADR/RID/IMDG/ICAO-IATA: Label : Onu

ADR: Tunnel restriction code : D/E

ADR/RID/IMDG/ICAO-IATA: Limited quantities : 1 L

IMDG - EmS : F-E, S-E

14.4. Packing group

ADR/RID/IMDG/ICAO-IATA: II

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. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

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**

No data available.

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

H225 = Highly flammable liquid and vapour.

H226 = Flammable liquid and vapour.

H315 = Causes skin irritation.

H317 = May cause an allergic skin reaction.

H400 = Very toxic to aquatic life.

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

H312 = Harmful in contact with skin.

H319 = Causes serious eye irritation.

H335 = May cause respiratory irritation.

H318 = Causes serious eye damage.

H304 = May be fatal if swallowed and enters airways.

Classification based on data of all mixture components

Main normative references:

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.

SAFETY DATA SHEET

Hygienfresh Deodiffusori Arancia & Cannella

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In conformity to Regulation (EU) 2015/830

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.
