

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

### **1.1. Product identifier**

Product code : Hygienfresh Deodry - Profumatore per asciugatrici  
Trades code : A80-060  
Product line: Hygienfresh

UFI: GMK2-700D-C009-TYSG

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

Pfoumata CAP that guarantees 15 scented drying

Sectors of use:

Industrial Manufacturing[SU3], 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](mailto:info@tintolav.com) - Sito internet: [www.tintolav.com](http://www.tintolav.com)

Email tecnico competente: [a.conedera@tintolav.com](mailto: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:

GHS07, GHS09

Hazard Class and Category Code(s):

Skin Irrit. 2, Skin Sens. 1B, Aquatic Chronic 2

Hazard statement Code(s):

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H411 - Toxic to aquatic life with long lasting effects.

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.

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):  
GHS07, GHS09 - Warning



Hazard statement Code(s):  
H315 - Causes skin irritation.  
H317 - May cause an allergic skin reaction.  
H411 - Toxic to aquatic life with long lasting effects.

Supplemental Hazard statement Code(s):  
not applicable

Precautionary statements:

General

- P101 - If medical advice is needed, have product container or label at hand.
- P102 - Keep out of reach of children.

Prevention

- 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
- P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

Disposal

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

Contains:

perfumes, isododecane, hexyl salicylate, 4-tert-butylcyclohexyl acetate, tetramethyl acetyloctahydronaphthalenes, pogostemon cablin oil, coumarin, amyl salicylate, hexyl cinnamal, methyl cinnamate, limonene, tetramethyl-4-methyleneheptan-2-one, undecylenal, eucalyptol, delta-damascone, eugenol, alpha isomethyl ionone.

Content of VOC ready to use condition: 9,47 %

UFI: GMK2-700D-C009-TYSG

## 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**

Note C - Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

| Substance                                                                                 | Concentration[w/w] | Classification                                                                                                                                                                                        | Index        | CAS        | EINECS    | REACH                         |
|-------------------------------------------------------------------------------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------|-----------|-------------------------------|
| 2,2,4,6,6-Pentamethylheptane                                                              | >= 15 < 25%        | Flam. Liq. 3, H226;<br>Asp. Tox. 1, H304;<br>Aquatic Chronic 4,<br>H413<br>1 1                                                                                                                        | ND           | 13475-82-6 | 236-757-0 | ND                            |
| Hexyl salicylate - FEMA 0                                                                 | >= 5 < 15%         | Skin Irrit. 2, H315;<br>Skin Sens. 1, H317;<br>Eye Irrit. 2, H319;<br>Aquatic Acute 1,<br>H400; Aquatic<br>Chronic 1, H410<br>1 1<br>ATE oral = 5.000,000<br>mg/kg<br>ATE dermal =<br>5.000,000 mg/kg | 607-772-00-3 | 6259-76-3  | 228-408-6 | 01-2119638<br>275-36-000<br>2 |
| 4-tert-Butylcyclohexyl acetate -<br>FEMA 0                                                | >= 5 < 15%         | Skin Sens. 1B, H317;<br>Aquatic Chronic 2,<br>H411<br>1 1<br>ATE oral = 5.000,000<br>mg/kg<br>ATE dermal =<br>5.000,000 mg/kg                                                                         | ND           | 32210-23-4 | 250-954-9 | 01-2119976<br>286-24          |
| 1-(2,3,8,8-Tetramethyl-1,2,3,4,5,6,<br>7,8-octahydronaphthalen-2-yl)eth<br>anone - FEMA 0 | >= 5 < 15%         | Skin Irrit. 2, H315;<br>Skin Sens. 1, H317;<br>Aquatic Acute 1,<br>H400; Aquatic<br>Chronic 1, H410<br>1 1<br>ATE oral = 5.000,000<br>mg/kg<br>ATE dermal =<br>5.000,000 mg/kg                        | ND           | 54464-57-2 | 259-174-3 | 01-2119489<br>989-04          |
| Patchouli Oil                                                                             | >= 1 < 5%          | Asp. Tox. 1, H304;<br>Aquatic Chronic 2,<br>H411<br>1 1                                                                                                                                               | ND           | ND         | 939-227-3 | 01-2120766<br>170-60-xxxx     |
| 3-ethoxy-4-hydroxybenzaldehyde<br>- FEMA 2464                                             | >= 1 < 5%          | Eye Irrit. 2, H319;<br>Aquatic Chronic 2,<br>H411<br>1 1<br>ATE oral > 3.160,000<br>mg/kg<br>ATE dermal ><br>2.000,000 mg/kg                                                                          | ND           | 121-32-4   | 204-464-7 | ND                            |
| Coumarin                                                                                  | >= 1 < 5%          | Acute Tox. 3, H301;                                                                                                                                                                                   | ND           | 91-64-5    | 202-086-7 | 01-211994                     |

| Substance                                                                | Concentration[ w/w] | Classification                                                                                                                                                           | Index        | CAS        | EINECS    | REACH                         |
|--------------------------------------------------------------------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------|-----------|-------------------------------|
|                                                                          |                     | Skin Sens. 1, H317;<br>STOT RE 2, H373<br>ATE oral = 290,000 mg/kg<br>ATE dermal = 242,000 mg/kg                                                                         |              |            |           | 3756-26-00<br>00              |
| undecan-4-olide - FEMA 3091                                              | >= 1 < 5%           | Aquatic Chronic 2, H411<br>1 1<br>ATE oral = 18.500,000 mg/kg                                                                                                            | ND           | 104-67-6   | 203-225-4 | ND                            |
| 2-cyclohexylidene-2-phenylacetone nitrile - FEMA 0                       | >= 1 < 5%           | Acute Tox. 4, H302;<br>Aquatic Chronic 2, H411<br>ATE oral = 619,000 mg/kg<br>ATE dermal = 2.000,000 mg/kg                                                               | 608-044-00-8 | 10461-98-0 | 423-740-1 | 01-0000017<br>023-83-000<br>3 |
| Reaction mass of 2-methylbutyl salicylate and pentyl salicylate          | >= 1 < 5%           | Acute Tox. 4, H302;<br>Aquatic Acute 1, H400; Aquatic Chronic 1, H410<br>1 1<br>ATE oral = 2.000,000 mg/kg                                                               | ND           | ND         | 911-280-7 | 01-2119969<br>444-27-000<br>2 |
| α-Hexylcinnamaldehyde                                                    | >= 1 < 5%           | Skin Sens. 1, H317;<br>Aquatic Acute 1, H400; Aquatic Chronic 2, H411<br>ATE oral = 2.450,000 mg/kg                                                                      | ND           | 101-86-0   | 202-983-3 | 01-2119533<br>092-50          |
| Methyl cinnamate - FEMA 2698                                             | >= 1 < 5%           | Skin Sens. 1B, H317<br>ATE oral = 2.610,000 mg/kg<br>ATE dermal = 500,000 mg/kg                                                                                          | ND           | 103-26-4   | 203-093-8 | ND                            |
| 1-(1,2,3,4,6,7,8,8a-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one | >= 1 < 5%           | Skin Corr. 2, H315;<br>Skin Sens. 1, H317;<br>Aquatic Chronic 2, H411<br>1 1                                                                                             | ND           | 68155-67-9 | 268-979-9 | ND                            |
| 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one | >= 1 < 5%           | Skin Irrit. 2, H315;<br>Skin Sens. 1, H317;<br>Aquatic Chronic 1, H410<br>1 1<br>ATE oral = 5.000,000 mg/kg<br>ATE dermal = 5.000,000 mg/kg                              | ND           | 68155-66-8 | 268-978-3 | 01-2119489<br>989-04-000<br>0 |
| dipentene<br>Note: C                                                     | >= 0,1 < 1%         | Flam. Liq. 3, H226;<br>Asp. Tox. 1, H304;<br>Skin Irrit. 2, H315;<br>Skin Sens. 1B, H317;<br>Aquatic Acute 1, H400; Aquatic Chronic 1, H410<br>1<br>ATE oral = 4.400,000 | 601-096-00-2 | 5989-27-5  | 227-813-5 | 01-2119529<br>223-47-000<br>1 |

In conformity to Regulation (EU) 2020/878

| Substance                                                              | Concentration[w/w] | Classification                                                                                                                                                               | Index | CAS         | EINECS    | REACH                         |
|------------------------------------------------------------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------|-----------|-------------------------------|
|                                                                        |                    | mg/kg<br>ATE dermal =<br>5.000,000 mg/kg                                                                                                                                     |       |             |           |                               |
| Eugenol                                                                | >= 0,1 < 1%        | Skin Sens. 1B, H317;<br>Eye Irrit. 2, H319<br>ATE oral = 2.000,000<br>mg/kg                                                                                                  | ND    | 97-53-0     | 202-589-1 | 01-2119971<br>802-33-000<br>0 |
| 10-Undecenal - FEMA 3095                                               | >= 0,1 < 1%        | Skin Irrit. 2, H315;<br>Skin Sens. 1B, H317;<br>Eye Irrit. 2, H319;<br>Aquatic Chronic 3,<br>H412<br>1 1<br>ATE oral = 5.000,000<br>mg/kg<br>ATE dermal =<br>4.800,000 mg/kg | ND    | 112-45-8    | 203-973-1 | 01-2119980<br>959-11          |
| 1-Methyl-2-[[1,2,2-trimethylbicyclohex-3yl]methyl]-Cyclopropanemetanol | >= 0,1 < 1%        | Aquatic Acute 1,<br>H400; Aquatic<br>Chronic 1, H410                                                                                                                         | ND    | 198404-98-7 | 427-900-1 | 01-0000017<br>424-73-000<br>3 |
| 4-methyl-2-(2-methylprop-1-en-1-yl)tetrahydro-2H-pyran                 | >= 0,10 < 1%       | Skin Irrit. 2, H315;<br>Eye Irrit. 2, H319;<br>Repr. 2, H361;<br>Aquatic Chronic 3,<br>H412<br>1 1<br>ATE oral = 4.300,000<br>mg/kg<br>ATE dermal =<br>5.000,000 mg/kg       | ND    | 16409-43-1  | 240-457-5 | 01-2119976<br>300-42          |
| cineole - FEMA 2465                                                    | >= 0,1 < 1%        | Flam. Liq. 3, H226;<br>Skin Sens. 1B, H317;<br>Eye Irrit. 2, H319<br>ATE oral = 2.480,000<br>mg/kg<br>ATE dermal =<br>5.000,000 mg/kg                                        | ND    | 470-82-6    | 207-431-5 | 01-2119967<br>772-24          |

**Fractionated global values**

|      |         |      |         |      |         |      |         |
|------|---------|------|---------|------|---------|------|---------|
| H226 | = 25,86 | H413 | = 24,75 | H304 | = 29,67 | H400 | = 19,41 |
| H315 | = 18,95 | H317 | = 33,35 | H319 | = 13,22 | H410 | = 19,01 |
| H411 | = 22,97 | H302 | = 4,34  | H373 | = 2,97  | H301 | = 2,97  |
| H412 | = 1,10  | H361 | = 0,20  | H225 | = 0,00  | H331 | = 0,00  |
| H318 | = 0,00  |      |         |      |         |      |         |

**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):

Do not use eye drops or ointments of any kind before the examination or advice from an oculist.

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

### **SECTION 5. Firefighting measures**

#### **5.1. Extinguishing media**

Advised extinguishing agents:

Water spray, CO<sub>2</sub>, 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  
Inform the competent 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 the removal.

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**

Wear protective gloves/protective clothing/eye protection/face protection.  
At work do not eat or drink.  
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.

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:  
dipentene:  
TWA: 30 from AIHA  
TWA: 165.5 (mg/m<sup>3</sup>) from AIHA

- Substance: Hexyl salicylate

DNEL

Systemic effects Long term Workers inhalation = 0,79 (mg/m<sup>3</sup>)

Systemic effects Long term Workers dermal = 2083 (mg/kg bw/day)

Systemic effects Short term Workers inhalation = 0,79 (mg/m<sup>3</sup>)

Systemic effects Short term Workers dermal = 2083 (mg/kg bw/day)

- 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/m<sup>3</sup>)

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

Systemic effects Short term Workers inhalation = 1,76 (mg/m<sup>3</sup>)

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:  $\alpha$ -Hexylcinnamaldehyde

DNEL

Systemic effects Long term Workers inhalation = 0,000078 (mg/m<sup>3</sup>)

Systemic effects Short term Workers inhalation = 0,00628 (mg/m<sup>3</sup>)

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)

- Substance: 1-(1,2,3,4,6,7,8,8a-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one

DNEL

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

Systemic effects Short term Consumers oral = 1,76 (mg/kg bw/day)

Local effects Short term Workers dermal = 0,1011 (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: 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one

DNEL

Systemic effects Short term Workers inhalation = 1,76 (mg/m<sup>3</sup>)

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)

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## 8.2. Exposure controls



Appropriate engineering controls:  
Industrial Manufacturing:  
No specific monitoring foreseen

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

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:

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

| <b>Physical and chemical properties</b>                  | <b>Value</b>   | <b>Determination method</b> |
|----------------------------------------------------------|----------------|-----------------------------|
| Physical state                                           | Solid          |                             |
| Colour                                                   | Purple         |                             |
| Odour                                                    | Characteristic |                             |
| Odour threshold                                          | not determined |                             |
| Melting point/freezing point                             | not determined |                             |
| Boiling point or initial boiling point and boiling range | not determined |                             |
| Flammability                                             | nonflammable   |                             |
| Lower and upper explosion limit                          | not determined |                             |
| Flash point                                              | > 60 °C        | ASTM D92                    |
| Auto-ignition temperature                                | not determined |                             |
| Decomposition temperature                                | not determined |                             |
| pH                                                       | irrelevant     |                             |
| Kinematic viscosity                                      | not determined |                             |
| Solubility                                               | irrelevant     |                             |
| Water solubility                                         | irrelevant     |                             |
| Partition coefficient n-octanol/water (log value)        | not determined |                             |
| Vapour pressure                                          | not determined |                             |
| Density and/or relative density                          | irrelevant     |                             |
| Relative vapour density                                  | not determined |                             |
| Particle characteristics                                 | not determined |                             |

## 9.2. Other information

Content of VOC ready to use condition: 9,47 %

### 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

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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

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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

None in particular.

### 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 = 3.975,2 mg/kg

ATE(mix) dermal = ∞

ATE(mix) inhal = ∞

(a) acute toxicity: 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.

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)

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

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

(b) skincorrosion/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

undecan-4-olide: kn-rbt 100 mg/24H SEV

skn-gpg 100 mg/24H MOD

4-methyl-2-(2-methylprop-1-en-1-yl)tetrahydro-2H-pyran: 2 % Patch test, Vehicle Petrolatum.

Result: No irritation observed.

Species: Human

Organ: Skin

Notes: RIFM

(c) serious eye damage/irritation: 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/skin sensitization: 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.

undecan-4-olide: dnr-bcs 10 mg/disc

(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)

(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:

Hexyl salicylate:

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

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

4-tert-Butylcyclohexyl acetate:

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

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

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

3-ethoxy-4-hydroxybenzaldehyde:

LD50 (rat) Oral (mg/kg body weight) > 3160

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

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

undecan-4-olide:  
LD50 (rat) Oral (mg/kg body weight) = 18500

2-cyclohexylidene-2-phenylacetonitrile:  
LD50 (rat) Oral (mg/kg body weight) = 619  
LD50 Dermal (rat or rabbit) (mg/kg body weight) = 2000

Reaction mass of 2-methylbutyl salicylate and pentyl salicylate:  
LD50 (rat) Oral (mg/kg body weight) = 2000

$\alpha$ -Hexylcinnamaldehyde:  
LD50 (rat) Oral (mg/kg body weight) = 2450

Methyl cinnamate:  
LD50 (rat) Oral (mg/kg body weight) = 2610  
LD50 Dermal (rat or rabbit) (mg/kg body weight) = 500

1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one:  
Acute oral toxicity  
LD50 rat  
Dose: > 5,000 mg/kg  
Method: OECD Test Guideline 401  
Remarks: IFF

Acute dermal toxicity  
LD50 rat  
Dose: > 5,000 mg/kg  
Method: OECD Test Guideline 402  
LD50 (rat) Oral (mg/kg body weight) = 5000  
LD50 Dermal (rat or rabbit) (mg/kg body weight) = 5000

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

Eugenol:

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

10-Undecenal:

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

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

4-methyl-2-(2-methylprop-1-en-1-yl)tetrahydro-2H-pyran:

LD50 (rat) Oral (mg/kg body weight) = 4300

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

cineole:

LD50 (rat) Oral (mg/kg body weight) = 2480

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

## 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

2-cyclohexylidene-2-phenylacetonitrile:

Related to contained substances:

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

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

3-ethoxy-4-hydroxybenzaldehyde:

C(E)L50 (mg/l) = 87,599998

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

undecan-4-olide:

Toxicity to fish LC50 - *Oncorhynchus mykiss* (rainbow trout) - 569 mg/l - 96 h

Toxicity to daphnia and other aquatic invertebrates EC50 - *Daphnia magna* (Water flea) - 17.0 mg/l - 48 h

C(E)L50 (mg/l) = 17 1

1

2-cyclohexylidene-2-phenylacetonitrile:

C(E)L50 (mg/l) = 0,86

NOEC (mg/l) = 0,5

$\alpha$ -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

Methyl cinnamate:

Static test CL50 - *Danio rerio* (zebra fish) - 2.76 mg / l - 96 h

(Regulation (EC) No. 440/2008, annex, C.1)

C(E)L50 (mg/l) = 2,76 1

1

1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one:

Toxicity to fish:

semi-static test LC50

Species: *Lepomis macrochirus* (Bluegill sunfish)

Dose: 1.3 mg/l

Exposure time: 96 h

Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates.:

semi-static test EC50

Species: *Daphnia magna* (Water flea)

Dose: 1.38 mg/l

Exposure time: 48 h

Method: OECD Test Guideline 202

IFF

C(E)L50 (mg/l) = 1,3 1  
NOEC (mg/l) = 100 1

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 1

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 1

1

4-methyl-2-(2-methylprop-1-en-1-yl)tetrahydro-2H-pyran:

575 / 5000

Risultati della traduzione

Algae EC50 Green algae (Desmodesmus 79.7 mg/l, 72 hours Test Type: static test  
subspicatus)

Crustacea EC50 Daphnia magna 33.2 mg/l, 48 hours Test Type: static test

Fish LC50 Zebrafish (Brachydanio rerio) 77.6 mg/l, 96 hours Test Type: semi-static test

Other EC50 Activated Sludge > 1000 mg/l, 3 hours Test Type: static  
test

C(E)L50 (mg/l) = 33,200001 1

1

cineole:

C(E)L50 (mg/l) = 102

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:

Methyl cinnamate:

Biodegradability Result: - Rapidly biodegradable.

4-methyl-2-(2-methylprop-1-en-1-yl)tetrahydro-2H-pyran:

Biodegradability: Test Type: Manometric respiration test

Result: Readily biodegradable

Biodegradation: 79 %

Exposure time: 28 d

Method: OECD 301F

GLP: ye

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### 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

Related to contained substances:

4-methyl-2-(2-methylprop-1-en-1-yl)tetrahydro-2H-pyran:

Distribution among environmental compartments : Koc: 652.7, log Koc: 2.81 Remarks: calculated

### 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: 3077



ADR exemption because compliance with the following characteristics:

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

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

### 14.2. UN proper shipping name

ADR/RID/IMDG: MATERIA PERICOLOSA PER L'AMBIENTE, SOLIDA, N.A.S. (acetato di 4-terz-butilcicloesile, 1',2',3',4',5',6',7',8'-ottaidro-2',3',8',8'-tetrametil-2'-acetonaftone, Coumarin, α-Hexylcinnamaldehyde, gamma-Undecalactone, 2-cicloesilidene-2-fenilacetone, dipentene, 1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one, 1-(1,2,3,4,6,7,8,8a-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one, 10-Undecenal, Cineolo, delta-1-(2,6,6-Trimethyl-3-cyclohexen-1-yl)-2-buten-1-one, 2,3-Butandione)

ADR/RID/IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (4-tert-Butylcyclohexyl acetate, 1-(2,3,8,8-Tetramethyl-1,2,3,4,5,6,7,8-octahydronaphthalen-2-yl)ethanone, Coumarin, α-Hexylcinnamaldehyde, undecan-4-olide, 2-ciclohexilidene-2-fenilacetone, dipentene,

1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one,  
1-(1,2,3,4,6,7,8,8a-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one, 10-Undecenal, cineole,  
1-(2,6,6-trimethyl-3-cyclohexen-1-yl)-2-buten-1-one, 2,3-Butandion)  
ICAO-IATA: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (4-tert-Butylcyclohexyl acetate,  
1-(2,3,8,8-Tetramethyl-1,2,3,4,5,6,7,8-octahydronaphthalen-2-yl)ethanone, Coumarin,  $\alpha$ -Hexylcinnamaldehyde,  
undecan-4-olide, 2-cyclohexylidene-2-phenylacetonitrile, dipentene,  
1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one,  
1-(1,2,3,4,6,7,8,8a-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one, 10-Undecenal, cineole,  
1-(2,6,6-trimethyl-3-cyclohexen-1-yl)-2-buten-1-one, 2,3-Butandion)

#### 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 kg  
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

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### 16.1. Other information

Points modified compared to previous release: 2.1. Classification of the substance or mixture, 2.2. Label elements, 2.3. Other hazards, 3.2 Mixtures, 4.1. Description of first aid measures, 8.1. Control parameters, 9.2. Other information, 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008, 11.2. Information on other hazards, 12.1. Toxicity, 12.2. Persistence and degradability, 12.4. Mobility in soil, 12.5. Results of PBT and vPvB assessment, 12.6. Endocrine disrupting properties, 14.1. UN number or ID number, 14.2. UN proper shipping name, 14.3. Transport hazard class(es), 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Description of the hazard statements exposed to point 3

H226 = Flammable liquid and vapour.

H304 = May be fatal if swallowed and enters airways.

H413 = May cause long lasting harmful effects to aquatic life.

H315 = Causes skin irritation.

H317 = May cause an allergic skin reaction.

H319 = Causes serious eye irritation.

H400 = Very toxic to aquatic life.

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

H411 = Toxic to aquatic life with long lasting effects.

H301 = Toxic if swallowed.

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

H302 = Harmful if swallowed.

H412 = Harmful to aquatic life with long lasting effects.

H361 = Suspected of damaging fertility or the unborn child .

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

H315 - Causes skin irritation. Classification procedure: Calculation method

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

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

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.

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.

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