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## Safety Data Sheet

# Organic Lavender Essential Oil

(*Lavandula angustifolia*)

(REACH regulation (EC) n° 1907/2006)

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

#### 1.1. Product identifier

Product name: Organic Lavender Essential Oil  
Botanic Name: *Lavandula angustifolia* Mill. Syn. *Lavandula officinalis* Chaix  
INCI Name: LAVANDULA ANGUSTIFOLIA (LAVENDER) OIL  
N° CAS: 8000-28-0  
N° EINECS: 283-994-0  
N° FEMA: 2622  
N° FDA: 182.20  
N° CoE: 257  
N° REACH: 01-2120746582-51-xxxx

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

#### 1.3. Details of the supplier of the safety data sheet

Registered company name :  
NHR Organic Oils Ltd.  
24 Chatham Place  
Brighton BN1 3TN UK  
Telephone : +44 01273 746505  
Email : [info@nhrganicoils.com](mailto:info@nhrganicoils.com)

#### 1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

Association/Organization : INRS / ORFILA <http://www.centres-antipoison.net>.

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### SECTION 2 : HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

##### In compliance with EC regulation No. 1272/2008 and its amendments.

Skin irritation, Category 2 (Skin Irrit. 2, H315). Eye irritation, Category 2 (Eye Irrit. 2, H319).

Skin sensitisation, Category 1 (Skin Sens. 1, H317).

Aspiration hazard, Category 1 (Asp. Tox. 1, H304).

Hazardous to the aquatic environment - Chronic hazard, Category 3 (Aquatic Chronic 3, H412).

This substance does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

#### 2.2. Label elements

Flavouring substance for industrial use.

##### In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms :



GHS07



GHS08

SAFETY DATA SHEET (REGULATION (EC) n° 1907/2006 - REACH)

Signal Word :

DANGER

Product identifiers :

|              |                        |
|--------------|------------------------|
| EC 204-116-4 | LINALYLACETATE         |
| 603-235-00-2 | LINALOOL               |
| EC 222-081-3 | CIS-BETA-OCIMENE       |
| EC 201-746-1 | BETA-CARYOPHYLLENE     |
| EC 242-582-0 | BETA-FARNESENE         |
| EC 207-431-5 | EUCALYPTOL             |
| EC 203-341-5 | GERANYL ACETATE        |
| 603-241-00-5 | GERANIOL               |
| EC 219-474-7 | 1-OCTEN-3-YL ACETATE   |
| EC 236-719-3 | DELTA-3-CARENE         |
| 601-096-00-2 | (R)-P-MENTHA-1,8-DIENE |
| EC 201-291-9 | ALPHA-PINENE           |
| EC 205-459-2 | NERYL ACETATE          |
| EC 203-378-7 | NEROL                  |
| EC 209-578-0 | TERPINOLENE            |
| EC 204-872-5 | BETA-PINENE            |

Hazard statements :

|      |  |
|------|--|
| H304 | May be fatal if swallowed and enters airways.      |
| H315 | Causes skin irritation.                            |
| H317 | May cause an allergic skin reaction.               |
| H319 | Causes serious eye irritation.                     |
| H412 | Harmful to aquatic life with long lasting effects. |

Precautionary statements - Prevention :

|      |   |
|------|---|
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray.   |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/ ... |

Precautionary statements - Response :

|                    |  |
|--------------------|--|
| P301 + P310        | IF SWALLOWED: Immediately call a POISON CENTER/doctor/...  |
| P302 + P352        | IF ON SKIN: Wash with plenty of water/...  |
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P331               | Do NOT induce vomiting.  |
| P337 + P313        | If eye irritation persists: Get medical advice/attention.  |

### 2.3. Other hazards

The substance does not fulfil the PBT or vPvP criteria in accordance with annexe XIII of the REACH regulations EC 1907/2006.

**SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS****3.1. Substances****Composition :**

| Identification   | (EC) 1272/2008   | Note | %               |
|--|--|------|-----------------|
| INDEX: I115_95_7<br>CAS: 115-95-7<br>EC: 204-116-4<br><br>LINALYLACETATE             | GHS07<br>Wng<br>Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Eye Irrit. 2, H319   |      | 25 <= x % < 50  |
| INDEX: 603-235-00-2<br>CAS: 78-70-6<br>EC: 201-134-4<br><br>LINALOOL                 | GHS07<br>Wng<br>Skin Sens. 1B, H317  |      | 25 <= x % < 50  |
| INDEX: I3338_55_4<br>CAS: 3338-55-4<br>EC: 222-081-3<br><br>CIS-BETA-OCIMENE         | GHS02, GHS07, GHS08, GHS09<br>Dgr<br>Flam. Liq. 3, H226<br>Asp. Tox. 1, H304<br>Skin Irrit. 2, H315<br>Aquatic Chronic 2, H411<br>Aquatic Acute 1, H400<br>M Acute = 1 |      | 2.5 <= x % < 10 |
| INDEX: I562_74_3<br>CAS: 562-74-3<br>EC: 209-235-5<br><br>TERPINEN-4-OL              | GHS07<br>Wng<br>Acute Tox. 4, H302<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Acute Tox. 4, H332<br>STOT SE 3, H336   |      | 2.5 <= x % < 10 |
| INDEX: I3779_61_1<br>CAS: 3779-61-1<br>EC: 223-241-5<br><br>TRANS BETA-OCIMENE, (E)- |  |      | 2.5 <= x % < 10 |
| INDEX: I25905_14_0<br>CAS: 25905-14-0<br>EC: 247-327-7<br><br>LAVANDULYLACETATE      |  |      | 2.5 <= x % < 10 |
| INDEX: I87_44_5<br>CAS: 87-44-5<br>EC: 201-746-1<br><br>BETA-CARYOPHYLLENE           | GHS07, GHS08<br>Dgr<br>Asp. Tox. 1, H304<br>Skin Sens. 1B, H317<br>Aquatic Chronic 4, H413   |      | 2.5 <= x % < 10 |
| INDEX: I18794_84_8<br>CAS: 18794-84-8<br>EC: 242-582-0<br><br>BETA-FARNESENE         | GHS08<br>Dgr<br>Asp. Tox. 1, H304  |      | 0 <= x % < 2.5  |
| INDEX: I98_55_5<br>CAS: 98-55-5<br>EC: 202-680-6<br><br>ALPHA-TERPINEOL              | GHS07<br>Wng<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319  |      | 0 <= x % < 2.5  |

## SAFETY DATA SHEET (REGULATION (EC) n° 1907/2006 - REACH)

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| INDEX: I28973_97_9<br>CAS: 28973-97-9<br><br>CIS-BETA-FARNESENE                               |   |  | 0 <= x % < 2.5 |
| INDEX: I498_16_8<br>CAS: 498-16-8<br>EC: 261-264-2<br><br>2-ISOPROPENYL-5-METHYL-4-HEXEN-1-OL |   |  | 0 <= x % < 2.5 |
| INDEX: I470_82_6<br>CAS: 470-82-6<br>EC: 207-431-5<br><br>EUCALYPTOL                          | GHS02, GHS07<br>Wng<br>Flam. Liq. 3, H226<br>Skin Sens. 1B, H317<br>Eye Irrit. 2, H319                      |  | 0 <= x % < 2.5 |
| INDEX: I106_68_3<br>CAS: 106-68-3<br>EC: 203-423-0<br><br>3-OCTANONE                          | GHS02, GHS07<br>Wng<br>Flam. Liq. 3, H226<br>Skin Irrit. 2, H315  |  | 0 <= x % < 2.5 |
| INDEX: I105_873AB<br>CAS: 105-87-3<br>EC: 203-341-5<br><br>GERANYLACETATE                     | GHS07, GHS09<br>Wng<br>Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Aquatic Chronic 2, H411                 |  | 0 <= x % < 2.5 |
| INDEX: 01.042<br>CAS: 23986-74-5<br><br>GERMACRA-1(10),4(14),5- TRIENE                        |   |  | 0 <= x % < 2.5 |
| INDEX: I507_70_0<br>CAS: 507-70-0<br>EC: 208-080-0<br><br>BORNEOL                             | GHS02, GHS07, GHS09<br>Dgr<br>228<br>Skin Irrit. 2, H315<br>Aquatic Chronic 2, H411                         |  | 0 <= x % < 2.5 |
| INDEX: 603-241-00-5<br>CAS: 106-24-1<br>EC: 203-377-1<br><br>GERANIOL                         | GHS07<br>Wng<br>Skin Sens. 1, H317  |  | 0 <= x % < 2.5 |
| INDEX: I2442_10_6<br>CAS: 2442-10-6<br>EC: 219-474-7<br><br>1-OCTEN-3-YL ACETATE              | GHS07<br>Wng<br>Acute Tox. 4, H302<br>Skin Sens. 1B, H317   |  | 0 <= x % < 2.5 |
| INDEX: I673_84_7<br>CAS: 673-84-7<br>EC: 211-614-5<br><br>2,6-DIMETHYLOCTA-2,4,6-TRIENE       | GHS07, GHS08<br>Dgr<br>Acute Tox. 4, H302<br>Asp. Tox. 1, H304<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319 |  | 0 <= x % < 2.5 |

## SAFETY DATA SHEET (REGULATION (EC) n° 1907/2006 - REACH)

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| INDEX: I123_35_3<br>CAS: 123-35-3<br>EC: 204-622-5<br><br>MYRCENE                        | GHS02, GHS07, GHS08, GHS09<br>Dgr<br>Flam. Liq. 3, H226<br>Asp. Tox. 1, H304<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Aquatic Chronic 2, H411<br>Aquatic Acute 1, H400<br>M Acute = 1 |     | 0 <= x % < 2.5 |
| INDEX: 601-094-00-1<br>CAS: 99-87-6<br>EC: 202-796-7<br><br>1-ISOPROPYL- 4-METHYLBENZENE | GHS02, GHS06, GHS08, GHS09<br>Dgr<br>Flam. Liq. 3, H226<br>Acute Tox. 3, H331<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411  |     | 0 <= x % < 2.5 |
| INDEX: I1139_30_6<br>CAS: 1139-30-6<br>EC: 214-519-7<br><br>CARYOPHYLLENE OXIDE          | GHS09<br>Wng<br>Aquatic Chronic 2, H411  |     | 0 <= x % < 2.5 |
| INDEX: I2639_63_6<br>CAS: 2639-63-6<br>EC: 220-136-6<br><br>HEXYL BUTYRATE               |  |     | 0 <= x % < 2.5 |
| INDEX: I13466_78_9<br>CAS: 13466-78-9<br>EC: 236-719-3<br><br>DELTA-3-CARENE             | GHS02, GHS07, GHS08, GHS09<br>Dgr<br>Flam. Liq. 3, H226<br>Asp. Tox. 1, H304<br>Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Acute Tox. 4, H332<br>Aquatic Chronic 2, H411                   | [1] | 0 <= x % < 2.5 |
| INDEX: I142_92_7<br>CAS: 142-92-7<br>EC: 205-572-7<br><br>HEXYLACETATE                   | GHS02<br>Wng<br>Flam. Liq. 3, H226   |     | 0 <= x % < 2.5 |
| INDEX: I76_49_3<br>CAS: 76-49-3<br>EC: 200-964-4<br><br>BORNYL ACETATE                   |  |     | 0 <= x % < 2.5 |
| INDEX: 01.043<br>CAS: 6753-98-6<br>EC: 229-816-7<br><br>3,7,10-HUMULATRIENE              |  |     | 0 <= x % < 2.5 |
| INDEX: I76_222AG<br>CAS: 76-22-2<br>EC: 200-945-0<br><br>CAMPHOR L(XN68)=10% X           | GHS07, GHS08, GHS02<br>Wng<br>Flam. Liq. 3, H226<br>Acute Tox. 4, H302<br>Acute Tox. 4, H332<br>STOT SE 2, H371  | [1] | 0 <= x % < 2.5 |

## SAFETY DATA SHEET (REGULATION (EC) n° 1907/2006 - REACH)

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| INDEX: I555_10_2<br>CAS: 555-10-2<br>EC: 209-081-9<br><br>BETA-PHELLANDRENE          | GHS02, GHS08<br>Dgr<br>Flam. Liq. 3, H226<br>Asp. Tox. 1, H304   |     | 0 <= x % < 2.5 |
| INDEX: 601-096-00-2<br>CAS: 5989-27-5<br>EC: 227-813-5<br><br>(R)-P-MENTHA-1,8-DIENE | GHS02, GHS07, GHS08, GHS09<br>Dgr<br>Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Asp. Tox. 1, H304<br>Aquatic Chronic 3, H412<br>Aquatic Acute 1, H400<br>M Acute = 1  | [1] | 0 <= x % < 2.5 |
| INDEX: HEL0047<br>CAS: 39029-41-9<br>EC: /<br><br>GAMMA CADINENE                     |  |     | 0 <= x % < 2.5 |
| INDEX: I80_56_8<br>CAS: 80-56-8<br>EC: 201-291-9<br><br>ALPHA-PINENE                 | GHS02, GHS07, GHS08, GHS09<br>Dgr<br>Flam. Liq. 3, H226<br>Acute Tox. 4, H302<br>Asp. Tox. 1, H304<br>Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Aquatic Acute 1, H400<br>M Acute = 1<br>Aquatic Chronic 1, H410<br>M Chronic = 1 | [1] | 0 <= x % < 2.5 |
| INDEX: I79_92_5<br>CAS: 79-92-5<br>EC: 201-234-8<br><br>CAMPHENE                     | GHS02, GHS07, GHS09<br>Wng<br>228<br>Eye Irrit. 2, H319<br>Aquatic Acute 1, H400<br>M Acute = 1<br>Aquatic Chronic 1, H410<br>M Chronic = 1  |     | 0 <= x % < 2.5 |
| INDEX: I141_12_8<br>CAS: 141-12-8<br>EC: 205-459-2<br><br>NERYLACETATE               | GHS07<br>Wng<br>Skin Sens. 1B, H317  |     | 0 <= x % < 2.5 |
| INDEX: I589_98_0<br>CAS: 589-98-0<br>EC: 209-667-4<br><br>3-OCTANOL                  | GHS07<br>Wng<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319  |     | 0 <= x % < 2.5 |
| INDEX: I99_85_4<br>CAS: 99-85-4<br>EC: 202-794-6<br><br>P-MENTHA-1,4-DIENE           | GHS02, GHS08<br>Dgr<br>Flam. Liq. 3, H226<br>Asp. Tox. 1, H304<br>Repr. 2, H361  | [2] | 0 <= x % < 2.5 |

## SAFETY DATA SHEET (REGULATION (EC) n° 1907/2006 - REACH)

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| INDEX: I106_25_2<br>CAS: 106-25-2<br>EC: 203-378-7<br>NEROL                              | GHS07<br>Wng<br>Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Eye Irrit. 2, H319   |     | 0 <= x % < 2.5 |
| INDEX: HEL0001<br>CAS: 17699-05-7<br>EC: 241-702-9<br>ALPHA BERGAMOTÈNE                  |  |     | 0 <= x % < 2.5 |
| INDEX: I34995_77_2<br>CAS: 34995-77-2<br>EC: 252-312-3<br>TRANS-LINALOOL OXIDE-3,6-OXIDE | GHS07<br>Wng<br>Acute Tox. 4, H302<br>Eye Irrit. 2, H319   |     | 0 <= x % < 2.5 |
| INDEX: HEL0008<br>CAS: 15537-55-0<br>EC: 239-584-9<br>CIS THUYANOL-4                     |  |     | 0 <= x % < 2.5 |
| INDEX: I2349_07_7<br>CAS: 2349-07-7<br>EC: 219-075-8<br>HEXYL ISOBUTYRATE                |  |     | 0 <= x % < 2.5 |
| INDEX: I586_62_9<br>CAS: 586-62-9<br>EC: 209-578-0<br>TERPINOLENE                        | GHS07, GHS08, GHS09<br>Dgr<br>Asp. Tox. 1, H304<br>Skin Sens. 1B, H317<br>Aquatic Acute 1, H400<br>M Acute = 1<br>Aquatic Chronic 1, H410<br>M Chronic = 1   |     | 0 <= x % < 2.5 |
| INDEX: I127_91_3<br>CAS: 127-91-3<br>EC: 204-872-5<br>BETA-PINENE                        | GHS02, GHS07, GHS08, GHS09<br>Dgr<br>Flam. Liq. 3, H226<br>Asp. Tox. 1, H304<br>Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Aquatic Acute 1, H400<br>M Acute = 1<br>Aquatic Chronic 1, H410<br>M Chronic = 1 | [1] | 0 <= x % < 2.5 |
| INDEX: I500_02_7<br>CAS: 500-02-7<br>EC: 207-898-5<br>4-ISOPROPYL-2-CYCLOHEXENONE        | GHS06<br>Dgr<br>Acute Tox. 3, H301<br>Acute Tox. 3, H311<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319  |     | 0 <= x % < 2.5 |
| INDEX: 607-031-00-4<br>CAS: 109-21-7<br>EC: 203-656-8<br>BUTYL BUTYRATE                  | GHS02<br>Wng<br>Flam. Liq. 3, H226   |     | 0 <= x % < 2.5 |

## SAFETY DATA SHEET (REGULATION (EC) n° 1907/2006 - REACH)

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| INDEX: I2867_05_2<br>CAS: 2867-05-2<br>EC: 220-686-7<br><br>5-ISOPROPYL-2-METHYLBICYCLO[3.1.0]H<br>EX-2-ENE          | GHS07, GHS09, GHS08, GHS02<br>Dgr<br>Flam. Liq. 3, H226<br>Acute Tox. 4, H302<br>Asp. Tox. 1, H304<br>Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Aquatic Chronic 2, H411 |  | 0 <= x % < 2.5 |
| INDEX: I60047_17_8<br>CAS: 60047-17-8<br>EC: 262-038-6<br><br>2-(TETRAHYDRO-5-METHYL-5-VINYL-2-F<br>URYL)PROPAN-2-OL | GHS07<br>Wng<br>Acute Tox. 4, H302<br>Eye Irrit. 2, H319   |  | 0 <= x % < 2.5 |
| INDEX: I3391_86_4<br>CAS: 3391-86-4<br>EC: 222-226-0<br><br>1-OCTEN-3-OL   | GHS06<br>Dgr<br>Acute Tox. 3, H301<br>Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Eye Irrit. 2, H319<br>Acute Tox. 4, H332   |  | 0 <= x % < 2.5 |
| INDEX: II22_03_2<br>CAS: 122-03-2<br>EC: 204-516-9<br><br>CUMINALDEHYDE  | GHS07<br>Wng<br>Acute Tox. 4, H302   |  | 0 <= x % < 2.5 |
| INDEX: 13.096<br>CAS: 5989-33-3<br>EC: 227-814-0<br><br>5(2-HYDROXYISOPROPYL)-<br>2-METHYL-2-VINYLTETRAHY- DROFURAN  |  |  | 0 <= x % < 2.5 |
| INDEX: 09.082<br>CAS: 7492-41-3<br>EC: 231-319-5<br><br>BORNYL FORMATE   |  |  | 0 <= x % < 2.5 |
| INDEX: 601-095-00-7<br>CAS: 99-86-5<br>EC: 202-795-1<br><br>P-MENTHA-1,3-DIENE                                       | GHS02, GHS07, GHS08, GHS09<br>Dgr<br>Flam. Liq. 3, H226<br>Acute Tox. 4, H302<br>Skin Sens. 1, H317<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411                        |  | 0 <= x % < 2.5 |
| INDEX: I91_64_5<br>CAS: 91-64-5<br>EC: 202-086-7<br><br>COUMARIN   | GHS07<br>Wng<br>Acute Tox. 4, H302<br>Skin Sens. 1B, H317  |  | 0 <= x % < 2.5 |
| INDEX: I99_83_2<br>CAS: 99-83-2<br>EC: 202-792-5<br><br>ALPHA-PHELLANDRENE   | GHS02, GHS08, GHS09<br>Dgr<br>Flam. Liq. 3, H226<br>Asp. Tox. 1, H304<br>Aquatic Acute 1, H400<br>M Acute = 1<br>Aquatic Chronic 1, H410<br>M Chronic = 1                  |  | 0 <= x % < 2.5 |

## SAFETY DATA SHEET (REGULATION (EC) n° 1907/2006 - REACH)

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| INDEX: 01.059<br>CAS: 3387-41-5<br>EC: 222-212-4<br><br>4(10)-THUJENE4-METHYLENE-1-ISOPROPY<br>L- BICYCLO[3.1.0]HEXANE       |  |  | 0 <= x % < 2.5 |
| INDEX: 01.024<br>CAS: 5208-59-3<br><br>BETA-BOURBONENE2-METHYL-8-METHY<br>LENE-5- ISOPROPYL-TRICYCLO[5.3.0.0<br>(2.6)]DECANE |  |  | 0 <= x % < 2.5 |
| INDEX: I16930_96_4<br>CAS: 16930-96-4<br>EC: 240-997-1<br><br>HEXYL TIGLATE  |  |  | 0 <= x % < 2.5 |
| INDEX: I6378_65_0<br>CAS: 6378-65-0<br>EC: 228-952-4<br><br>HEXYL HEXANOATE  |  |  | 0 <= x % < 2.5 |
| INDEX: I29350_73_0<br>CAS: 29350-73-0<br>EC: 249-580-9<br><br>CADINENE   |  |  | 0 <= x % < 2.5 |
| INDEX: I112_14_1<br>CAS: 112-14-1<br>EC: 203-939-6<br><br>OCTYLACETATE   |  |  | 0 <= x % < 2.5 |
| INDEX: HEL0017<br>CAS: 489-40-7<br>EC: 207-695-1<br><br>ALPHA GURJUNENE  | GHS08<br>Dgr<br>Asp. Tox. 1, H304  |  | 0 <= x % < 2.5 |
| INDEX: HEL0006<br>CAS: 3856-25-5<br>EC: 223-364-4<br><br>COPAENE   |  |  | 0 <= x % < 2.5 |
| INDEX: I495_61_4<br>CAS: 495-61-4<br><br>L-BETA-BISABOLENE   | GHS07, GHS08, GHS09<br>Dgr<br>Asp. Tox. 1, H304<br>Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Acute Tox. 4, H332<br>Aquatic Chronic 2, H411 |  | 0 <= x % < 2.5 |
| INDEX: I141_27_5<br>CAS: 141-27-5<br>EC: 205-476-5<br><br>GERANIAL   | GHS07<br>Wng<br>Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Eye Irrit. 2, H319   |  | 0 <= x % < 2.5 |

## SAFETY DATA SHEET (REGULATION (EC) n° 1907/2006 - REACH)

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|---|--|-----|----------------|
| INDEX: 603-059-00-6<br>CAS: 111-27-3<br>EC: 203-852-3<br><br>HEXAN-1-OL   | GHS07<br>Wng<br>Acute Tox. 4, H302   | [1] | 0 <= x % < 2.5 |
| INDEX: I868_57_5<br>CAS: 868-57-5<br>EC: 212-778-0<br><br>METHYL 2-METHYLBUTYRATE                                     | GHS02, GHS07<br>Dgr<br>Flam. Liq. 2, H225<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319 |     | 0 <= x % < 2.5 |
| INDEX: 09.424<br>CAS: 2345-24-6<br>EC: 219-061-1<br><br>NERYL ISOBUTYRATE   |  |     | 0 <= x % < 2.5 |
| INDEX: 02.129<br>CAS: 515-69-5<br>EC: 208-205-9<br><br>BISABOLA-1,12-DIEN-8-OL (DELETED, SEE<br>DECISION 2009/163/EC) |  |     | 0 <= x % < 2.5 |
| INDEX: 01.060<br>CAS: 508-32-7<br>EC: 208-083-7<br><br>1,1,7-TRIMETHYLTRICYCLO<br>[2.2.1.0.(2.6)]HEPTANE              |  |     | 0 <= x % < 2.5 |
| INDEX: 607-025-00-1<br>CAS: 123-86-4<br>EC: 204-658-1<br><br>N-BUTYLACETATE   | GHS02, GHS07<br>Wng<br>Flam. Liq. 3, H226<br>STOT SE 3, H336<br>EUH:066                | [1] | 0 <= x % < 2.5 |

**Specific concentration limits:**

| Identification   | Specific concentration limits | ATE  |
|--|-------------------------------|--|
| INDEX: I3338_55_4<br>CAS: 3338-55-4<br>EC: 222-081-3<br><br>CIS-BETA-OCIMENE |                               | oral: ATE = 5000 mg/kg BW                                |
| INDEX: I562_74_3<br>CAS: 562-74-3<br>EC: 209-235-5<br><br>TERPINEN-4-OL      |                               | dermal: ATE = 2500 mg/kg BW<br>oral: ATE = 1300 mg/kg BW |
| INDEX: I98_55_5<br>CAS: 98-55-5<br>EC: 202-680-6<br><br>ALPHA-TERPINEOL      |                               | oral: ATE = 4300 mg/kg BW                                |
| INDEX: I470_82_6<br>CAS: 470-82-6<br>EC: 207-431-5<br><br>EUCALYPTOL         |                               | oral: ATE = 2480 mg/kg BW                                |

## SAFETY DATA SHEET (REGULATION (EC) n° 1907/2006 - REACH)

|  |                                 |   |
|--|---------------------------------|---|
| INDEX: I106_68_3<br>CAS: 106-68-3<br>EC: 203-423-0<br><br>3-OCTANONE   |                                 | oral: ATE = 5000 mg/kg BW   |
| INDEX: I2442_10_6<br>CAS: 2442-10-6<br>EC: 219-474-7<br><br>1-OCTEN-3-YL ACETATE                                 |                                 | oral: ATE = 850 mg/kg BW  |
| INDEX: I673_84_7<br>CAS: 673-84-7<br>EC: 211-614-5<br><br>2,6-DIMETHYLOCTA-2,4,6-TRIENE                          |                                 | dermal: ATE = 2400 mg/kg BW<br>oral: ATE = 1900 mg/kg BW                  |
| INDEX: 601-094-00-1<br>CAS: 99-87-6<br>EC: 202-796-7<br><br>1-ISOPROPYL- 4-METHYLBENZENE                         |                                 | inhalation: ATE = 3 mg/1 4h<br>(vapours)                                  |
| INDEX: I13466_78_9<br>CAS: 13466-78-9<br>EC: 236-719-3<br><br>DELTA-3-CARENE                                     |                                 | inhalation: ATE = 1.5 mg/1 4h<br>(dust/mist)<br>oral: ATE = 4800 mg/kg BW |
| INDEX: I76_222AG<br>CAS: 76-22-2<br>EC: 200-945-0<br><br>CAMPHOR L(XN68)=10% X                                   | STOT SE 2 (Oral) : H371 C>= 10% | inhalation: ATE = 1.5 mg/1 1h<br>(dust/mist)<br>oral: ATE = 1500 mg/kg BW |
| INDEX: I99_85_4<br>CAS: 99-85-4<br>EC: 202-794-6<br><br>P-MENTHA-1,4-DIENE                                       |                                 | oral: ATE = 3850 mg/kg BW   |
| INDEX: I106_25_2<br>CAS: 106-25-2<br>EC: 203-378-7<br><br>NEROL  |                                 | oral: ATE = 4500 mg/kg BW   |
| INDEX: I34995_77_2<br>CAS: 34995-77-2<br>EC: 252-312-3<br><br>TRANS-LINALOOL OXIDE-3,6-OXIDE                     |                                 | dermal: ATE = 2500 mg/kg BW<br>oral: ATE = 1140 mg/kg BW                  |
| INDEX: I586_62_9<br>CAS: 586-62-9<br>EC: 209-578-0<br><br>TERPINOLENE  |                                 | oral: ATE = 3775 mg/kg BW   |
| INDEX: I60047_17_8<br>CAS: 60047-17-8<br>EC: 262-038-6<br><br>2-(TETRAHYDRO-5-METHYL-5-VINYL-2-FURYL)PROPAN-2-OL |                                 | dermal: ATE = 2500 mg/kg BW<br>oral: ATE = 1140 mg/kg BW                  |

## SAFETY DATA SHEET (REGULATION (EC) n° 1907/2006 - REACH)

|  |  |   |
|--|--|---|
| INDEX: I3391_86_4<br>CAS: 3391-86-4<br>EC: 222-226-0<br><br>1-OCTEN-3-OL       |  | inhalation: ATE = 3.7 mg/l 4h<br>(dust/mist)<br>dermal: ATE = 3300 mg/kg BW<br>oral: ATE = 175 mg/kg BW |
| INDEX: I122_03_2<br>CAS: 122-03-2<br>EC: 204-516-9<br><br>CUMINALDEHYDE        |  | dermal: ATE = 2800 mg/kg BW<br>oral: ATE = 1390 mg/kg BW  |
| INDEX: 601-095-00-7<br>CAS: 99-86-5<br>EC: 202-795-1<br><br>P-MENTHA-1,3-DIENE |  | oral: ATE = 1680 mg/kg BW   |
| INDEX: I112_14_1<br>CAS: 112-14-1<br>EC: 203-939-6<br><br>OCTYLACETATE         |  | oral: ATE = 3000 mg/kg BW   |
| INDEX: I495_61_4<br>CAS: 495-61-4<br><br>L-BETA-BISABOLENE                     |  | inhalation: ATE = 1.5 mg/l 4h<br>(dust/mist)  |
| INDEX: I141_27_5<br>CAS: 141-27-5<br>EC: 205-476-5<br><br>GERANIAL             |  | dermal: ATE = 2250 mg/kg BW   |

**Information on ingredients :**

- [1] Substance for which maximum workplace exposure limits are available.  
[2] Carcinogenic, mutagenic or reprotoxic (CMR) substance.

**SECTION 4 : FIRST AID MEASURES**

As a general rule, in case of doubt or if symptoms persist, always call a doctor.  
NEVER induce swallowing by an unconscious person.

**4.1. description of first aid measures****In the event of splashes or contact with eyes :**

Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.  
If there is any redness, pain or visual impairment, consult an ophthalmologist.

**In the event of splashes or contact with skin :**

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.  
Watch out for any remaining product between skin and clothing, watches, shoes, etc.  
In the event of an allergic reaction, seek medical attention.  
In the event of an allergic reaction, seek medical attention.

**In the event of swallowing :**

Do not give the patient anything orally.  
In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.  
Keep the person exposed at rest. Do not force vomiting.  
Seek medical attention immediately, showing the label.

## SAFETY DATA SHEET (REGULATION (EC) n° 1907/2006 - REACH)

If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.

If swallowed accidentally, do not allow to drink, do not induce vomiting and transfer to hospital immediately by ambulance. Show the label to the doctor.

### **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**

No data available.

---

## **SECTION 5 : FIREFIGHTING MEASURES**

Non-flammable.

### **5.1. Extinguishing media**

#### **Suitable methods of extinction**

In the event of a fire, use :

- sprayed water or water mist

#### **Unsuitable methods of extinction**

In the event of a fire, do not use :

- water jet

### **5.2. Special hazards arising from the substance or mixture**

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO<sub>2</sub>)

### **5.3. Advice for firefighters**

No data available.

---

## **SECTION 6 : ACCIDENTAL RELEASE MEASURES**

### **6.1. Personal precautions, protective equipment and emergency procedures**

Consult the safety measures listed under headings 7 and 8.

#### **For non first aid worker**

Avoid any contact with the skin and eyes.

#### **For first aid worker**

First aid workers will be equipped with suitable personal protective equipment (See section 8).

### **6.2. Environmental precautions**

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

### **6.3. Methods and material for containment and cleaning up**

Clean preferably with a detergent, do not use solvents.

### **6.4. Reference to other sections**

No data available.

**SECTION 7 : HANDLING AND STORAGE**

Requirements relating to storage premises apply to all facilities where the substance is handled.

Individuals with a history of skin sensitisation should not, under any circumstance, handle this substance.

**7.1. Precautions for safe handling**

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Ensure that there is adequate ventilation, especially in confined areas.

**Fire prevention :**

Handle in well-ventilated areas.

Never inhale this substance.

Prevent access by unauthorised personnel.

**Recommended equipment and procedures :**

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Avoid skin and eye contact with this substance.

Packages which have been opened must be reclosed carefully and stored in an upright position.

**Prohibited equipment and procedures :**

No smoking, eating or drinking in areas where the substance is used.

**7.2. Conditions for safe storage, including any incompatibilities**

No data available.

**Storage**

Keep the container tightly closed in a dry, well-ventilated place.

Keep away from food and drink, including those for animals.

The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

**Packaging**

Always keep in packaging made of an identical material to the original.

**7.3. Specific end use(s)**

No data available.

**SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters****Occupational exposure limits :**

- European Union (2019/1831, 2017/2398, 2017/164, 2009/161, 2006/15/CE, 2000/39/CE, 98/24/CE) :

| CAS      | VME-mg/m <sup>3</sup> | VME-ppm | VLE-mg/m <sup>3</sup> | VLE-ppm | Notes |
|----------|-----------------------|---------|-----------------------|---------|-------|
| 123-86-4 | 241                   | 50      | 723                   | 150     |       |

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :

| CAS        | TWA :   | STEL :  | Ceiling : | Definition : | Criteria : |
|------------|---------|---------|-----------|--------------|------------|
| 13466-78-9 | 20 ppm  |         |           | SEN; A4      |            |
| 76-22-2    | 2 ppm   | 3 ppm   |           | A4           |            |
| 80-56-8    | 20 ppm  |         |           | SEN; A4      |            |
| 127-91-3   | 20 ppm  |         |           | SEN; A4      |            |
| 123-86-4   | 150 ppm | 200 ppm |           |              |            |

- Germany - AGW (BAuA - TRGS 900, 08/08/2019) :

| CAS | VME : | VME : | Excess | Notes |
|-----|-------|-------|--------|-------|
|     |       |       |        |       |

## SAFETY DATA SHEET (REGULATION (EC) n° 1907/2006 - REACH)

|           |  |                                 |  |       |
|-----------|--|---------------------------------|--|-------|
| 5989-27-5 |  | 5 ppm<br>28 mg/m <sup>3</sup>   |  | 4(II) |
| 111-27-3  |  | 25 ppm<br>105 mg/m <sup>3</sup> |  | 1(I)  |
| 123-86-4  |  | 62 ppm<br>300 mg/m <sup>3</sup> |  | 2 (I) |

- France (INRS - ED984 / 2020-1546) :

| CAS      | VME-ppm : | VME-mg/m <sup>3</sup> : | VLE-ppm : | VLE-mg/m <sup>3</sup> : | Notes : | TMP No : |
|----------|-----------|-------------------------|-----------|-------------------------|---------|----------|
| 76-22-2  | 2         | 12                      | -         | -                       | -       | -        |
| 123-86-4 | 150       | 710                     | 200       | 940                     | -       | 84       |

- UK / WEL (Workplace exposure limits, EH40/2005, Fourth Edition 2020) :

| CAS      | TWA :                            | STEL :                           | Ceiling : | Definition : | Criteria : |
|----------|----------------------------------|----------------------------------|-----------|--------------|------------|
| 76-22-2  | 2 ppm<br>13 mg/m <sup>3</sup>    | 3 ppm<br>19 mg/m <sup>3</sup>    |           |              |            |
| 123-86-4 | 150 ppm<br>724 mg/m <sup>3</sup> | 200 ppm<br>966 mg/m <sup>3</sup> |           |              |            |

## 8.2. Exposure controls

### Personal protection measures, such as personal protective equipment

Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

### - Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles with protective sides accordance with standard EN166.

In the event of high danger, protect the face with a face shield.

Prescription glasses are not considered as protection.

Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.

Provide eyewash stations in facilities where the product is handled constantly.

### - Hand protection

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN ISO 374-1.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Type of gloves recommended :

- Butyl Rubber (Isobutylene-isoprene copolymer)

### - Body protection

Avoid skin contact.

Wear suitable protective clothing.

Suitable type of protective clothing :

In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605/A1 to prevent skin contact.

In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034/A1 to prevent skin contact.

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

---

**SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties****Physical state**

Physical state : Fluid liquid.

**Colour**

Unspecified

**Odour**

Odour threshold : Not stated.

**Melting point**

Melting point/melting range : Not specified.

**Freezing point**

Freezing point / Freezing range : Not stated.

**Boiling point or initial boiling point and boiling range**

Boiling point/boiling range : Not specified.

**Flammability**

Flammability (solid, gas) : Not stated.

**Lower and upper explosion limit**

Explosive properties, lower explosivity limit (%) : Not stated.

Explosive properties, upper explosivity limit (%) : Not stated.

**Flash point**

Flash Point : 71.00 °C.

**Auto-ignition temperature**

Self-ignition temperature : Not specified.

**Decomposition temperature**

Decomposition point/decomposition range : Not specified.

**pH**

pH : Not relevant.

pH (aqueous solution) : Not stated.

**Kinematic viscosity**

Viscosity : Not stated.

Viscosity:  $v < 7 \text{ mm}^2/\text{s}$  (40°C)**Solubility**

Water solubility : Insoluble.

Fat solubility : Not stated.

**Partition coefficient n-octanol/water (log value)**

Partition coefficient: n-octanol/water : Not stated.

**Vapour pressure**

Vapour pressure (50°C) : Below 110 kPa (1.10 bar).

**Density and/or relative density**

Density : &lt; 1

**Relative vapour density**

Vapour density : Not stated.

**9.2. Other information**

No data available.

**9.2.1. Information with regard to physical hazard classes**

No data available.

**9.2.2. Other safety characteristics**

No data available.

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**SECTION 10 : STABILITY AND REACTIVITY**

**10.1. Reactivity**

No data available.

**10.2. Chemical stability**

This substance is stable under the recommended handling and storage conditions in section 7.

**10.3. Possibility of hazardous reactions**

When exposed to high temperatures, the substance can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

**10.4. Conditions to avoid**

No data available.

**10.5. Incompatible materials**

No data available.

**10.6. Hazardous decomposition products**

The thermal decomposition may release/form :

- carbon monoxide (CO)

- carbon dioxide (CO<sub>2</sub>)

---

**SECTION 11 : TOXICOLOGICAL INFORMATION**

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

Exposure to vapours from this solvent in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system.

May cause irreversible damage to the skin; namely inflammation of the skin or the formation of erythema and eschar or oedema following exposure up to four hours.

Repeated or prolonged contact with the substance may cause removal of natural oil from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

May have reversible effects on the eyes, such as eye irritation which is totally reversible by the end of observation at 21 days.

Splashes in the eyes may cause irritation and reversible damage

May cause an allergic reaction by skin contact.

Aspiration toxicity includes severe acute effects such as chemical pneumonia, varying degrees of pulmonary injury or death following aspiration.

**11.1.1. Substances**

**Acute toxicity :**

L-BETA-BISABOLENE (CAS: 495-61-4)

Inhalation route (Dusts/mist) :

LC50 = 1.5 mg/l

Duration of exposure : 4 h

1-ISOPROPYL- 4-METHYLBENZENE (CAS: 99-87-6)

Inhalation route (Vapours) :

LC50 = 3 mg/l

Duration of exposure : 4 h

GERANIAL (CAS: 141-27-5)

SAFETY DATA SHEET (REGULATION (EC) n° 1907/2006 - REACH)

|  |   |
|--|---|
| Dermal route :   | LD50 = 2250 mg/kg                             |
| OCTYL ACETATE (CAS: 112-14-1)  |   |
| Oral route :   | LD50 = 3000 mg/kg                             |
| P-MENTHA-1,3-DIENE (CAS: 99-86-5)                                    |   |
| Oral route :   | LD50 = 1680 mg/kg                             |
| CUMINALDEHYDE (CAS: 122-03-2)  |   |
| Oral route :   | LD50 = 1390 mg/kg                             |
| Dermal route :   | LD50 = 2800 mg/kg                             |
| 1-OCTEN-3-OL (CAS: 3391-86-4)  |   |
| Oral route :   | LD50 = 175 mg/kg                              |
| Dermal route :   | LD50 = 3300 mg/kg                             |
| Inhalation route (Dusts/mist) :                                      | LC50 = 3.7 mg/l<br>Duration of exposure : 4 h |
| 2-(TETRAHYDRO-5-METHYL-5-VINYL-2-FURYL)PROPAN-2-OL (CAS: 60047-17-8) |   |
| Oral route :   | LD50 = 1140 mg/kg                             |
| Dermal route :   | LD50 = 2500 mg/kg                             |
| TERPINOLENE (CAS: 586-62-9)  |   |
| Oral route :   | LD50 = 3775 mg/kg                             |
| TRANS-LINALOOL OXIDE-3,6-OXIDE (CAS: 34995-77-2)                     |   |
| Oral route :   | LD50 = 1140 mg/kg                             |
| Dermal route :   | LD50 = 2500 mg/kg                             |
| NEROL (CAS: 106-25-2)  |   |
| Oral route :   | LD50 = 4500 mg/kg                             |
| P-MENTHA-1,4-DIENE (CAS: 99-85-4)                                    |   |
| Oral route :   | LD50 = 3850 mg/kg                             |
| CAMPHOR L(XN68)=10% X (CAS: 76-22-2)                                 |   |
| Oral route :   | LD50 = 1500 mg/kg                             |
| Inhalation route (Dusts/mist) :                                      | LC50 = 1.5 mg/l<br>Duration of exposure : 1 h |
| DELTA-3-CARENE (CAS: 13466-78-9)                                     |   |
| Oral route :   | LD50 = 4800 mg/kg                             |
| Inhalation route (Dusts/mist) :                                      | LC50 = 1.5 mg/l                               |

SAFETY DATA SHEET (REGULATION (EC) n° 1907/2006 - REACH)

Duration of exposure : 4 h

2,6-DIMETHYLOCTA-2,4,6-TRIENE (CAS: 673-84-7)

Oral route : LD50 = 1900 mg/kg

Dermal route : LD50 = 2400 mg/kg

1-OCTEN-3-YL ACETATE (CAS: 2442-10-6)

Oral route : LD50 = 850 mg/kg

3-OCTANONE (CAS: 106-68-3)

Oral route : LD50 = 5000 mg/kg

EUCALYPTOL (CAS: 470-82-6)

Oral route : LD50 = 2480 mg/kg

ALPHA-TERPINEOL (CAS: 98-55-5)

Oral route : LD50 = 4300 mg/kg

TERPINEN-4-OL (CAS: 562-74-3)

Oral route : LD50 = 1300 mg/kg

Dermal route : LD50 = 2500 mg/kg

CIS-BETA-OCIMENE (CAS: 3338-55-4)

Oral route : LD50 = 5000 mg/kg

**Aspiration hazard :**

May be fatal if swallowed and enters airways.

Aspiration toxicity includes severe acute effects such as chemical pneumonia, varying degrees of pulmonary injury or death following aspiration.

**Monograph(s) from the IARC (International Agency for Research on Cancer) :**

CAS 91-64-5 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

CAS 5989-27-5 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

CAS 123-35-3 : IARC Group 2B : The agent is possibly carcinogenic to humans.

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**SECTION 12 : ECOLOGICAL INFORMATION**

Harmful to aquatic life with long lasting effects.

The product must not be allowed to run into drains or waterways.

**12.1. Toxicity**

**12.1.1. Substances**

GERANYLACETATE (CAS: 105-87-3)

Fish toxicity : LC50 = 5 mg/l  
Species : Brevoortia patronus  
Duration of exposure : 96 h

Crustacean toxicity : EC50 = 5 mg/l  
Species : Daphnia cucullata

Duration of exposure : 48 h

**12.2. Persistence and degradability**

**12.2.1. Substances**

GERANYLACETATE (CAS: 105-87-3)

Biodegradability :

no degradability data is available, the substance is considered as not degrading quickly.

**12.3. Bioaccumulative potential**

No data available.

**12.4. Mobility in soil**

No data available.

**12.5. Results of PBT and vPvB assessment**

No data available.

**12.6. Endocrine disrupting properties**

No data available.

**12.7. Other adverse effects**

No data available.

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**SECTION 13 : DISPOSAL CONSIDERATIONS**

Proper waste management of the substance and/or its container must be determined in accordance with Directive 2008/98/EC.

**13.1. Waste treatment methods**

Do not pour into drains or waterways.

**Waste :**

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

**Soiled packaging :**

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

---

**SECTION 14 : TRANSPORT INFORMATION**

Exempt from transport classification and labelling.

**14.1. UN number or ID number**

-

**14.2. UN proper shipping name**

-

**14.3. Transport hazard class(es)**

-

**14.4. Packing group**

-

**14.5. Environmental hazards**

-

#### 14.6. Special precautions for user

-

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### SECTION 15: Regulatory information

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

##### - Classification and labelling information included in section 2:

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2021/643 (ATP 16)
- EU Regulation No. 1272/2008 amended by EU Regulation No. 2021/849 (ATP 17)

##### - Container information:

No data available.

##### - Particular provisions :

No data available.

#### 15.2. Chemical safety assessment

No data available.

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### SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the substance and not as a guarantee of the properties thereof.

#### Wording of the phrases mentioned in section 3 :

|             |   |
|-------------|---|
| H225        | Highly flammable liquid and vapour.                     |
| H226        | Flammable liquid and vapour.                            |
| H228        | Flammable solid.  |
| H301        | Toxic if swallowed.                                     |
| H302        | Harmful if swallowed.                                   |
| H302 + H332 | Harmful if swallowed or if inhaled.                     |
| H304        | May be fatal if swallowed and enters airways.           |
| H311        | Toxic in contact with skin.                             |
| H315        | Causes skin irritation.                                 |
| H317        | May cause an allergic skin reaction.                    |
| H319        | Causes serious eye irritation.                          |
| H331        | Toxic if inhaled.                                       |
| H332        | Harmful if inhaled.                                     |
| H336        | May cause drowsiness or dizziness.                      |
| H361        | Suspected of damaging fertility or the unborn child .   |
| H371        | May cause damage to organs .                            |
| H400        | Very toxic to aquatic life.                             |
| H410        | Very toxic to aquatic life with long lasting effects.   |
| H411        | Toxic to aquatic life with long lasting effects.        |
| H412        | Harmful to aquatic life with long lasting effects.      |
| H413        | May cause long lasting harmful effects to aquatic life. |
| EUH066      | Repeated exposure may cause skin dryness or cracking.   |

SAFETY DATA SHEET (REGULATION (EC) n° 1907/2006 - REACH)

**Abbreviations :**

LD50 : The dose of a test substance resulting in 50% lethality in a given time period.

LC50 : The concentration of a test substance resulting in 50% lethality in a given period.

EC50 : The effective concentration of substance that causes 50% of the maximum response.

REACH : Registration, Evaluation, Authorization and Restriction of Chemical Substances.

ATE : Acute Toxicity Estimate

BW : Body Weight

CMR: Carcinogenic, mutagenic or reprotoxic.

UFI : Unique formulation identifier.

STEL : Short-term exposure limit

TWA : Time Weighted Averages

TMP : French Occupational Illness table

TLV : Threshold Limit Value (exposure)

AEV : Average Exposure Value.

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefährdungsklasse (Water Hazard Class).

GHS07 : Exclamation mark

GHS08 : Health hazard

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.