


GO FRESH LEMON

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

- 1.1 Product identifier:** GO FRESH LEMON
- Other means of identification:**
Non-applicable
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
Relevant uses: Air freshener
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:**
MB ELIX sp. z oo sp.k.
ul. Skarżyńskiego 26
54-530 Wrocław - Poland
Phone: 0048 71 387 85 33 - Fax: 0048 71 722 29 68
lab@elix.pl
www.elixscent.com
- 1.4 Emergency telephone number:** 0048 71 387 85 33 (8.00-16.00)

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture:**
CLP Regulation (EC) No 1272/2008:
Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.
Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1: Sensitisation, skin, Category 1, H317
- 2.2 Label elements:**
CLP Regulation (EC) No 1272/2008:
Warning
- 
- Hazard statements:**
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:**
P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P273: Avoid release to the environment.
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.
P332+P313: If skin irritation occurs: Get medical advice/attention.
P501: Dispose of contents/container to approved disposal site, in accordance with local regulations.
- Supplementary information:**
Contains hexamethylene-1,6-diisocyanate homopolymer, linalool, citronellol, butylphenyl methyl-propional, citral, geraniol, 2,4-dimethylcyclohex-3-ene-1-carbaldehyde, citronellal, terpinolene, nerol, limonene, I-carvone, eucalyptol, 10-undecanal, dodecanal, gamma-damascone, isoeugenol.
- Additional Labelling:**
As from 24 August 2023 adequate training is required before industrial or professional use.
- 2.3 Other hazards:**
Product does not meet PBT/vPvB criteria
Endocrine-disrupting properties: The product does not meet the criteria.

- CONTINUED ON NEXT PAGE -

GO FRESH LEMON

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:


















Non-applicable

3.2 Mixture:

Chemical description: Mixture composed of chemical products

Components:

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

| Identification | Chemical name/Classification | | Concentration |
|---|---|--|-------------------------|
| CAS: 34590-94-8 EC: 252-104-2 Index: Non-applicable REACH: 01-2119450011-60-XXXX | Dipropylene Glycol Methyl Ether⁽¹⁾ | Not classified | 15 - <20 % |
| | Regulation 1272/2008 | | |
| CAS: 18479-58-8 EC: 242-362-4 Index: Non-applicable REACH: 01-2119457274-37-XXXX | 2,6-dimethyloct-7-en-2-ol⁽²⁾ | Self-classified | 3 - <4 % |
| | Regulation 1272/2008 | Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning  | |
| CAS: 88-41-5 EC: 201-828-7 Index: Non-applicable REACH: 01-2119970713-33 | 2-tert-butylcyclohexyl acetate⁽²⁾ | Self-classified | 3 - <4 % |
| | Regulation 1272/2008 | Aquatic Chronic 2: H411  | |
| CAS: 61792-11-8 EC: 263-214-5 Index: Non-applicable REACH: 01-2119967769-11-XXXX | 3,7-dimethylnona-2,6-dienenitrile⁽²⁾ | Self-classified | 2 - <3 % |
| | Regulation 1272/2008 | Aquatic Chronic 2: H411  | |
| CAS: 78-70-6 EC: 201-134-4 Index: 603-235-00-2 REACH: 01-2119474016-42 | Linalool⁽²⁾ | Self-classified | 2 - <3 % |
| | Regulation 1272/2008 | Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning  | |
| CAS: 106-22-9 EC: 203-375-0 Index: Non-applicable REACH: 01-2119453995-23 | Citronellol⁽²⁾ | Self-classified | 1 - <2 % |
| | Regulation 1272/2008 | Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning  | |
| CAS: 124-13-0 EC: 204-683-8 Index: Non-applicable REACH: 01-2119638274-38-XXXX | Octanal⁽²⁾ | Self-classified | 1 - <2 % |
| | Regulation 1272/2008 | Aquatic Chronic 2: H411; Eye Irrit. 2: H319; Flam. Liq. 3: H226; Skin Irrit. 2: H315 - Warning    | |
| CAS: 101-84-8 EC: 202-981-2 Index: Non-applicable REACH: 01-2119472545-33-XXXX | Diphenyl ether⁽²⁾ | Self-classified | 1 - <2 % |
| | Regulation 1272/2008 | Aquatic Acute 1: H400; Aquatic Chronic 3: H412; Eye Irrit. 2: H319 - Warning   | |
| CAS: 112-31-2 EC: 203-957-4 Index: Non-applicable REACH: 01-2119967771-26-XXXX | Decanal⁽²⁾ | Self-classified | 1 - <2 % |
| | Regulation 1272/2008 | Aquatic Chronic 3: H412; Eye Irrit. 2: H319 - Warning  | |
| CAS: 123-66-0 EC: 204-640-3 Index: Non-applicable REACH: 01-2120749104-60-XXXX | Ethyl hexanoate⁽²⁾ | Self-classified | 1 - <2 % |
| | Regulation 1272/2008 | Flam. Liq. 3: H226; Skin Irrit. 2: H315 - Warning   | |
| CAS: 5392-40-5 EC: 226-394-6 Index: 605-019-00-3 REACH: 01-2119462829-23 | Citral⁽²⁾ | Self-classified | 1 - <2 % |
| | Regulation 1272/2008 | Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning  | |
| CAS: 28182-81-2 EC: 931-274-8 Index: Non-applicable REACH: 01-2119485796-17-xxxx | hexamethylene-1,6-diisocyanate homopolymer⁽²⁾ | Self-classified | 1 - <2 % |
| | Regulation 1272/2008 | Acute Tox. 4: H332; Skin Sens. 1: H317; STOT SE 3: H335 - Warning  | |
| CAS: 106-24-1 EC: 203-377-1 Index: 603-241-00-5 REACH: 01-2119552430-49 | Geraniol⁽²⁾ | Self-classified | 0,5 - <0,75 % |
| | Regulation 1272/2008 | Eye Dam. 1: H318; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Danger   | |















⁽¹⁾ Substance with a Union workplace exposure limit

⁽²⁾ Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

- CONTINUED ON NEXT PAGE -

GO FRESH LEMON

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

| Identification | Chemical name/Classification | | Concentration |
|---|--|---|-------------------------|
| CAS: 586-62-9 EC: 209-578-0 Index: Non-applicable REACH: 01-2119982324-34 | Terpinolene⁽²⁾ | Self-classified | 0,25 - <0,5 % |
| | Regulation 1272/2008 | Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Asp. Tox. 1: H304; Skin Sens. 1B: H317 - Danger  | |
| CAS: 68039-49-6 EC: 268-264-1 Index: Non-applicable REACH: 01-2119982384-28 | 2,4-dimethylcyclohex-3-ene-1-carbaldehyde⁽²⁾ | Self-classified | 0,25 - <0,5 % |
| | Regulation 1272/2008 | Aquatic Chronic 2: H411; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning  | |
| CAS: 106-23-0 EC: 203-376-6 Index: Non-applicable REACH: 01-2119474900-37 | Citronellal⁽²⁾ | Self-classified | 0,25 - <0,5 % |
| | Regulation 1272/2008 | Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning  | |
| CAS: 68526-86-3 EC: 271-235-6 Index: Non-applicable REACH: 01-2119454259-32-XXXX | Alcohols, C11-14-iso-, C13-rich⁽²⁾ | Self-classified | 0,25 - <0,5 % |
| | Regulation 1272/2008 | Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Skin Irrit. 2: H315 - Warning  | |
| CAS: 106-25-2 EC: 203-378-7 Index: Non-applicable REACH: Non-applicable | Nerol⁽²⁾ | Self-classified | 0,25 - <0,5 % |
| | Regulation 1272/2008 | Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning  | |
| CAS: 80-54-6 EC: 201-289-8 Index: 605-041-00-3 REACH: 01-2119485965-18 | Butylphenyl methylpropional⁽²⁾ | Self-classified | 0,1 - <0,25 % |
| | Regulation 1272/2008 | Acute Tox. 4: H302; Aquatic Chronic 3: H412; Repr. 2: H361; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning  | |
| CAS: 5989-27-5 EC: 227-813-5 Index: Non-applicable REACH: 01-2119529223-47 | Limonene⁽²⁾ | Self-classified | 0,1 - <0,25 % |
| | Regulation 1272/2008 | Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Asp. Tox. 1: H304; Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Danger  | |
| CAS: 6485-40-1 EC: 229-352-5 Index: Non-applicable REACH: 01-2119962458-25 | I-carvone⁽²⁾ | Self-classified | 0,1 - <0,25 % |
| | Regulation 1272/2008 | Skin Sens. 1B: H317 - Warning  | |
| CAS: 470-82-6 EC: 207-431-5 Index: Non-applicable REACH: 01-2119967772-24 | Eucalyptol⁽²⁾ | Self-classified | 0,1 - <0,25 % |
| | Regulation 1272/2008 | Flam. Liq. 3: H226; Skin Sens. 1B: H317 - Warning  | |
| CAS: 112-54-9 EC: 203-983-6 Index: Non-applicable REACH: 01-2119969441-33 | Dodecanal⁽²⁾ | Self-classified | 0,1 - <0,25 % |
| | Regulation 1272/2008 | Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning  | |
| CAS: 112-45-8 EC: 203-973-1 Index: Non-applicable REACH: 01-2119980959-11 | 10-undecanal⁽²⁾ | Self-classified | 0,1 - <0,25 % |
| | Regulation 1272/2008 | Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning  | |
| CAS: 16409-43-1 EC: 240-457-5 Index: Non-applicable REACH: 01-2119976300-42-XXXX | (z)-rose oxide⁽²⁾ | Self-classified | 0,1 - <0,25 % |
| | Regulation 1272/2008 | Eye Irrit. 2: H319; Repr. 2: H361; Skin Irrit. 2: H315 - Warning  | |
| CAS: 57378-68-4 EC: 260-709-8 Index: Non-applicable REACH: 01-2119535122-53 | gamma-damascone⁽²⁾ | Self-classified | 0,01 - <0,1 % |
| | Regulation 1272/2008 | Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Skin Irrit. 2: H315; Skin Sens. 1A: H317 - Warning  | |
| CAS: 97-54-1 EC: 202-590-7 Index: 604-094-00-X REACH: 01-2120223682-61 | Isoeugenol⁽²⁾ | Self-classified | 0,01 - <0,1 % |
| | Regulation 1272/2008 | Acute Tox. 4: H302+H312+H332; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1A: H317; STOT SE 3: H335 - Warning  | |

⁽¹⁾ Substance with a Union workplace exposure limit

⁽²⁾ Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

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

Other information:

| Identification | Specific concentration limit |
|---|--------------------------------------|
| Isoeugenol CAS: 97-54-1 EC: 202-590-7 | % (w/w) >=0,01: Skin Sens. 1A - H317 |

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

- CONTINUED ON NEXT PAGE -

GO FRESH LEMON

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

| Identification | Acute toxicity | | Genus |
|--|-----------------|-----------------|-------|
| hexamethylene-1,6-diisocyanate homopolymer | LD50 oral | Non-applicable | |
| CAS: 28182-81-2 | LD50 dermal | Non-applicable | |
| EC: 931-274-8 | LC50 inhalation | 1,5 mg/L (ATEI) | |

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

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

By eye contact:

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

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

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

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

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

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

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

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

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

- CONTINUED ON NEXT PAGE -

GO FRESH LEMON

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Sweep up and shovel product or collect by other means and place in container for reuse (preferred) or disposal

For emergency responders:

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

6.2 Environmental precautions:

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

6.3 Methods and material for containment and cleaning up:

It is recommended:

Sweep up and shovel product or collect by other means and place in container for reuse (preferred) or disposal

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

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

Due to its non-inflammable nature, the product does not present a fire risk under normal conditions of storage, handling and use.

C.- Technical recommendations on general occupational hygiene

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

D.- Technical recommendations to prevent environmental risks

Preferably use aspiration for cleaning. Given the danger of the product by inhalation, any cleaning method that involves exposure to the product in this way (sweeping, etc.) is not recommended

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 5 °C

Maximum Temp.: 35 °C

Maximum time: 36 Months

B.- General conditions for storage

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

7.3 Specific end use(s):

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

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

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

Directive (EU) 2000/39, Directive 2004/37/EC, Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

| Identification | Occupational exposure limits | | |
|--|------------------------------|--------|-----------------------|
| Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2 | IOELV (8h) | 50 ppm | 308 mg/m ³ |
| | IOELV (STEL) | | |
| Diphenyl ether | IOELV (8h) | 1 ppm | 7 mg/m ³ |

- CONTINUED ON NEXT PAGE -

GO FRESH LEMON

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Directive (EU) 2000/39, Directive 2004/37/EC, Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

| Identification | | Occupational exposure limits | | |
|----------------|---------------|------------------------------|-------|----------------------|
| CAS: 101-84-8 | EC: 202-981-2 | IOELV (STEL) | 2 ppm | 14 mg/m ³ |

Nuisance dust: Inhalable dust 10 mg/m³ // Respirable dust 4 mg/m³

DNEL (Workers):

| Identification | | Short exposure | | Long exposure | |
|--|------------|-------------------------|--------------------------|-------------------------|-------------------------|
| | | Systemic | Local | Systemic | Local |
| Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 283 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 308 mg/m ³ | Non-applicable |
| 2,6-dimethyloct-7-en-2-ol CAS: 18479-58-8 EC: 242-362-4 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 20,8 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 73,5 mg/m ³ | Non-applicable |
| 3,7-dimethylnona-2,6-dienitrile CAS: 61792-11-8 EC: 263-214-5 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 1,55 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 5,48 mg/m ³ | Non-applicable |
| Linalool CAS: 78-70-6 EC: 201-134-4 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 3,5 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 24,58 mg/m ³ | Non-applicable |
| Citronellol CAS: 106-22-9 EC: 203-375-0 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 327,4 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | 10 mg/m ³ | 161,6 mg/m ³ | 10 mg/m ³ |
| Octanal CAS: 124-13-0 EC: 204-683-8 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 0,37 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 1,3 mg/m ³ | Non-applicable |
| Diphenyl ether CAS: 101-84-8 EC: 202-981-2 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 25 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | 14 mg/m ³ | 59 mg/m ³ | 7 mg/m ³ |
| Decanal CAS: 112-31-2 EC: 203-957-4 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | 14,1 mg/kg | Non-applicable | 7,05 mg/kg | Non-applicable |
| | Inhalation | 49,71 mg/m ³ | 124,28 mg/m ³ | 24,86 mg/m ³ | 62,14 mg/m ³ |
| Citral CAS: 5392-40-5 EC: 226-394-6 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 1,7 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 9 mg/m ³ | Non-applicable |
| hexamethylene-1,6-diisocyanate homopolymer CAS: 28182-81-2 EC: 931-274-8 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Inhalation | Non-applicable | 1 mg/m ³ | Non-applicable | 0,5 mg/m ³ |
| Geraniol CAS: 106-24-1 EC: 203-377-1 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 12,5 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 161,6 mg/m ³ | Non-applicable |
| Terpinolene CAS: 586-62-9 EC: 209-578-0 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 0,52 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 3,6 mg/m ³ | Non-applicable |
| Citronellal CAS: 106-23-0 EC: 203-376-6 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 1,7 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 9 mg/m ³ | Non-applicable |
| Nerol CAS: 106-25-2 EC: 203-378-7 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 1,25 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 4,4 mg/m ³ | Non-applicable |
| Butylphenyl methylpropional CAS: 80-54-6 EC: 201-289-8 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 1,79 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 0,44 mg/m ³ | Non-applicable |

- CONTINUED ON NEXT PAGE -

GO FRESH LEMON

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

| Identification | | Short exposure | | Long exposure | |
|--|------------|----------------|----------------|-------------------------|----------------|
| | | Systemic | Local | Systemic | Local |
| Limonene CAS: 5989-27-5 EC: 227-813-5 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 9,5 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 66,7 mg/m ³ | Non-applicable |
| l-carvone CAS: 6485-40-1 EC: 229-352-5 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 0,194 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 0,685 mg/m ³ | Non-applicable |
| Eucalyptol CAS: 470-82-6 EC: 207-431-5 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 2 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 7,05 mg/m ³ | Non-applicable |
| Dodecanal CAS: 112-54-9 EC: 203-983-6 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 14,1 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 49,7 mg/m ³ | Non-applicable |
| 10-undecanal CAS: 112-45-8 EC: 203-973-1 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 4,67 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 16,4 mg/m ³ | Non-applicable |
| (z)-rose oxide CAS: 16409-43-1 EC: 240-457-5 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 0,3 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 1,2 mg/m ³ | Non-applicable |

DNEL (General population):

| Identification | | Short exposure | | Long exposure | |
|---|------------|-------------------------|-------------------------|-------------------------|-------------------------|
| | | Systemic | Local | Systemic | Local |
| Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2 | Oral | Non-applicable | Non-applicable | 36 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 121 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 37,2 mg/m ³ | Non-applicable |
| 2,6-dimethyloct-7-en-2-ol CAS: 18479-58-8 EC: 242-362-4 | Oral | Non-applicable | Non-applicable | 12,5 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 12,5 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 21,7 mg/m ³ | Non-applicable |
| 3,7-dimethylnona-2,6-dienitrile CAS: 61792-11-8 EC: 263-214-5 | Oral | Non-applicable | Non-applicable | 0,555 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 0,555 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 0,966 mg/m ³ | Non-applicable |
| Linalool CAS: 78-70-6 EC: 201-134-4 | Oral | Non-applicable | Non-applicable | 2,49 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 1,25 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 4,33 mg/m ³ | Non-applicable |
| Citronellol CAS: 106-22-9 EC: 203-375-0 | Oral | Non-applicable | Non-applicable | 13,8 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 196,4 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | 10 mg/m ³ | 47,8 mg/m ³ | 10 mg/m ³ |
| Octanal CAS: 124-13-0 EC: 204-683-8 | Oral | Non-applicable | Non-applicable | 0,19 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 0,19 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 0,32 mg/m ³ | Non-applicable |
| Decanal CAS: 112-31-2 EC: 203-957-4 | Oral | 7,05 mg/kg | Non-applicable | 3,52 mg/kg | Non-applicable |
| | Dermal | 7,05 mg/kg | Non-applicable | 3,52 mg/kg | Non-applicable |
| | Inhalation | 12,26 mg/m ³ | 30,65 mg/m ³ | 6,13 mg/m ³ | 15,32 mg/m ³ |
| Citral CAS: 5392-40-5 EC: 226-394-6 | Oral | Non-applicable | Non-applicable | 0,6 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 1 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 2,7 mg/m ³ | Non-applicable |
| Geraniol CAS: 106-24-1 EC: 203-377-1 | Oral | Non-applicable | Non-applicable | 13,75 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 7,5 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 47,8 mg/m ³ | Non-applicable |
| Terpinolene CAS: 586-62-9 EC: 209-578-0 | Oral | Non-applicable | Non-applicable | 0,26 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 0,26 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 0,9 mg/m ³ | Non-applicable |

- CONTINUED ON NEXT PAGE -

GO FRESH LEMON

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

| Identification | | Short exposure | | Long exposure | |
|--|------------|----------------|----------------|-------------------------|----------------|
| | | Systemic | Local | Systemic | Local |
| Citronellal CAS: 106-23-0 EC: 203-376-6 | Oral | Non-applicable | Non-applicable | 0,6 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 1 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 2,7 mg/m ³ | Non-applicable |
| Nerol CAS: 106-25-2 EC: 203-378-7 | Oral | Non-applicable | Non-applicable | 0,62 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 0,62 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 1,09 mg/m ³ | Non-applicable |
| Butylphenyl methylpropional CAS: 80-54-6 EC: 201-289-8 | Oral | Non-applicable | Non-applicable | 0,062 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 0,89 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 0,11 mg/m ³ | Non-applicable |
| Limonene CAS: 5989-27-5 EC: 227-813-5 | Oral | Non-applicable | Non-applicable | 4,8 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 4,8 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 16,6 mg/m ³ | Non-applicable |
| l-carvone CAS: 6485-40-1 EC: 229-352-5 | Oral | Non-applicable | Non-applicable | 0,0694 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 0,0694 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 0,121 mg/m ³ | Non-applicable |
| Eucalyptol CAS: 470-82-6 EC: 207-431-5 | Oral | Non-applicable | Non-applicable | 600 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 1 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 1,74 mg/m ³ | Non-applicable |
| Dodecanal CAS: 112-54-9 EC: 203-983-6 | Oral | Non-applicable | Non-applicable | 7 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 7 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 12,3 mg/m ³ | Non-applicable |
| 10-undecanal CAS: 112-45-8 EC: 203-973-1 | Oral | Non-applicable | Non-applicable | 1,67 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 1,67 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 2,47 mg/m ³ | Non-applicable |
| (z)-rose oxide CAS: 16409-43-1 EC: 240-457-5 | Oral | Non-applicable | Non-applicable | 0,2 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 0,2 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 0,3 mg/m ³ | Non-applicable |

PNEC:

| Identification | | | | | |
|---|--------------|----------------|-------------------------|--------------|--|
| Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2 | STP | 4168 mg/L | Fresh water | 19 mg/L | |
| | Soil | 2,74 mg/kg | Marine water | 1,9 mg/L | |
| | Intermittent | 190 mg/L | Sediment (Fresh water) | 70,2 mg/kg | |
| | Oral | Non-applicable | Sediment (Marine water) | 7,02 mg/kg | |
| 2,6-dimethyloct-7-en-2-ol CAS: 18479-58-8 EC: 242-362-4 | STP | 10 mg/L | Fresh water | 0,0278 mg/L | |
| | Soil | 0,103 mg/kg | Marine water | 0,00278 mg/L | |
| | Intermittent | 0,278 mg/L | Sediment (Fresh water) | 0,594 mg/kg | |
| | Oral | 0,111 g/kg | Sediment (Marine water) | 0,059 mg/kg | |
| 3,7-dimethylnona-2,6-dienitrile CAS: 61792-11-8 EC: 263-214-5 | STP | 0,9 mg/L | Fresh water | 0,002 mg/L | |
| | Soil | 0,05 mg/kg | Marine water | 0 mg/L | |
| | Intermittent | 0,024 mg/L | Sediment (Fresh water) | 0,248 mg/kg | |
| | Oral | 0,0247 g/kg | Sediment (Marine water) | 0,025 mg/kg | |
| Linalool CAS: 78-70-6 EC: 201-134-4 | STP | 10 mg/L | Fresh water | 0,2 mg/L | |
| | Soil | 0,327 mg/kg | Marine water | 0,02 mg/L | |
| | Intermittent | 2 mg/L | Sediment (Fresh water) | 2,22 mg/kg | |
| | Oral | 0,0078 g/kg | Sediment (Marine water) | 0,222 mg/kg | |
| Citronellol CAS: 106-22-9 EC: 203-375-0 | STP | 580 mg/L | Fresh water | 0,002 mg/L | |
| | Soil | 0,004 mg/kg | Marine water | 0 mg/L | |
| | Intermittent | 0,024 mg/L | Sediment (Fresh water) | 0,026 mg/kg | |
| | Oral | Non-applicable | Sediment (Marine water) | 0,003 mg/kg | |

- CONTINUED ON NEXT PAGE -

GO FRESH LEMON

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

| Identification | | | | |
|--|--------------|----------------|-------------------------|---------------|
| Octanal CAS: 124-13-0 EC: 204-683-8 | STP | 3,16 mg/L | Fresh water | 0,002 mg/L |
| | Soil | 0,013 mg/kg | Marine water | 0 mg/L |
| | Intermittent | Non-applicable | Sediment (Fresh water) | 0,071 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 0,007 mg/kg |
| Diphenyl ether CAS: 101-84-8 EC: 202-981-2 | STP | 10 mg/L | Fresh water | 0 mg/L |
| | Soil | 0,018 mg/kg | Marine water | 0 mg/L |
| | Intermittent | 0,005 mg/L | Sediment (Fresh water) | 0,093 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 0,009 mg/kg |
| Decanal CAS: 112-31-2 EC: 203-957-4 | STP | 3,16 mg/L | Fresh water | 0,00117 mg/L |
| | Soil | 0,019 mg/kg | Marine water | 0,000117 mg/L |
| | Intermittent | 0,0117 mg/L | Sediment (Fresh water) | 0,097 mg/kg |
| | Oral | 0,313 g/kg | Sediment (Marine water) | 0,01 mg/kg |
| Ethyl hexanoate CAS: 123-66-0 EC: 204-640-3 | STP | 10 mg/L | Fresh water | 0,00674 mg/L |
| | Soil | 0,0232 mg/kg | Marine water | 0,000674 mg/L |
| | Intermittent | 0,0674 mg/L | Sediment (Fresh water) | 0,136 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 0,0136 mg/kg |
| Citral CAS: 5392-40-5 EC: 226-394-6 | STP | 1,6 mg/L | Fresh water | 0,007 mg/L |
| | Soil | 0,021 mg/kg | Marine water | 0,001 mg/L |
| | Intermittent | 0,068 mg/L | Sediment (Fresh water) | 0,125 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 0,013 mg/kg |
| hexamethylene-1,6-diisocyanate homopolymer CAS: 28182-81-2 EC: 931-274-8 | STP | 88 mg/L | Fresh water | 0,127 mg/L |
| | Soil | 53183 mg/kg | Marine water | 0,013 mg/L |
| | Intermittent | 1,27 mg/L | Sediment (Fresh water) | 266701 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 26670 mg/kg |
| Geraniol CAS: 106-24-1 EC: 203-377-1 | STP | 0,7 mg/L | Fresh water | 0,011 mg/L |
| | Soil | 0,017 mg/kg | Marine water | 0,001 mg/L |
| | Intermittent | 0,108 mg/L | Sediment (Fresh water) | 0,115 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 0,011 mg/kg |
| Terpinolene CAS: 586-62-9 EC: 209-578-0 | STP | 0,2 mg/L | Fresh water | 0,000634 mg/L |
| | Soil | 0,0291 mg/kg | Marine water | 0,000063 mg/L |
| | Intermittent | 0,00634 mg/L | Sediment (Fresh water) | 0,147 mg/kg |
| | Oral | 0,01031 g/kg | Sediment (Marine water) | 0,0147 mg/kg |
| Citronellal CAS: 106-23-0 EC: 203-376-6 | STP | 4 mg/L | Fresh water | 0,009 mg/L |
| | Soil | 0,027 mg/kg | Marine water | 0,001 mg/L |
| | Intermittent | 0,087 mg/L | Sediment (Fresh water) | 0,159 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 0,016 mg/kg |
| Alcohols, C11-14-iso-, C13-rich CAS: 68526-86-3 EC: 271-235-6 | STP | 105,3 mg/L | Fresh water | 0,005 mg/L |
| | Soil | 0,15 mg/kg | Marine water | 0,0005 mg/L |
| | Intermittent | 0,004 mg/L | Sediment (Fresh water) | 0,37 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 0,04 mg/kg |
| Nerol CAS: 106-25-2 EC: 203-378-7 | STP | 12,9 mg/L | Fresh water | 0,00745 mg/L |
| | Soil | 0,0223 mg/kg | Marine water | 0,000745 mg/L |
| | Intermittent | 0,0745 mg/L | Sediment (Fresh water) | 0,133 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 0,0133 mg/kg |
| Butylphenyl methylpropional CAS: 80-54-6 EC: 201-289-8 | STP | 10 mg/L | Fresh water | 0,004 mg/L |
| | Soil | 0,103 mg/kg | Marine water | 0 mg/L |
| | Intermittent | 0,024 mg/L | Sediment (Fresh water) | 0,528 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 0,053 mg/kg |
| Limonene CAS: 5989-27-5 EC: 227-813-5 | STP | 1,8 mg/L | Fresh water | 0,014 mg/L |
| | Soil | 0,763 mg/kg | Marine water | 0,0014 mg/L |
| | Intermittent | Non-applicable | Sediment (Fresh water) | 3,85 mg/kg |
| | Oral | 0,133 g/kg | Sediment (Marine water) | 0,385 mg/kg |

- CONTINUED ON NEXT PAGE -

GO FRESH LEMON

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

| Identification | | | | |
|--|--------------|----------------|-------------------------|--------------|
| I-carvone CAS: 6485-40-1 EC: 229-352-5 | STP | 10 mg/L | Fresh water | 0,0061 mg/L |
| | Soil | 0,035 mg/kg | Marine water | 0,00061 mg/L |
| | Intermittent | 0,061 mg/L | Sediment (Fresh water) | 0,192 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 0,019 mg/kg |
| Eucalyptol CAS: 470-82-6 EC: 207-431-5 | STP | 10 mg/L | Fresh water | 0,057 mg/L |
| | Soil | 0,25 mg/kg | Marine water | 0,0057 mg/L |
| | Intermittent | 0,57 mg/L | Sediment (Fresh water) | 1,425 mg/kg |
| | Oral | 0,04 g/kg | Sediment (Marine water) | 0,142 mg/kg |
| Dodecanal CAS: 112-54-9 EC: 203-983-6 | STP | 10 mg/L | Fresh water | 0,004 mg/L |
| | Soil | 0,278 mg/kg | Marine water | 0 mg/L |
| | Intermittent | 0,035 mg/L | Sediment (Fresh water) | 1,41 mg/kg |
| | Oral | 0,313 g/kg | Sediment (Marine water) | 0,141 mg/kg |
| 10-undecanal CAS: 112-45-8 EC: 203-973-1 | STP | 0,625 mg/L | Fresh water | 0,0201 mg/L |
| | Soil | 18,9 mg/kg | Marine water | 0,00201 mg/L |
| | Intermittent | Non-applicable | Sediment (Fresh water) | 94,5 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 9,45 mg/kg |
| (z)-rose oxide CAS: 16409-43-1 EC: 240-457-5 | STP | 10 mg/L | Fresh water | 0,0332 mg/L |
| | Soil | 0,437 mg/kg | Marine water | 0,00332 mg/L |
| | Intermittent | 0,332 mg/L | Sediment (Fresh water) | 2,29 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 0,229 mg/kg |

8.2 Exposure controls:



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

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

B.- Respiratory protection



The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands


| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|--|--|---|-------------------|--|
|  Mandatory hand protection | Chemical protective gloves (Material: Nitrile, Breakthrough time: > 480 min, Thickness: 0.4 mm) |  | EN ISO 21420:2020 | Replace the gloves at any sign of deterioration. |

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|--|--|---|---------------------------------|---|
|  Mandatory face protection | Panoramic glasses against splash/projections. |  | EN 166:2002 EN ISO 4007:2018 | Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing. |


E.- Body protection

| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|-----------|---------------|---|--------------|---|
| | Work clothing |  | | Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994. |



- CONTINUED ON NEXT PAGE -

GO FRESH LEMON

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|-----------|----------------------|---|-------------------|---|
| | Anti-slip work shoes |  | EN ISO 20347:2012 | Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007 |

F.- Additional emergency measures

| Emergency measure | Standards | Emergency measure | Standards |
|---|---|--|--|
|  Emergency shower | ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011 |  Eyewash stations | DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011 |

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

| | |
|--------------------------|--|
| Physical state at 20 °C: | Solid |
| Appearance: | Compact |
| Colour: |  Yellow |
| Odour: | Pleasant |
| Odour threshold: | Non-applicable * |

Volatility:

| | |
|--|------------------|
| Boiling point at atmospheric pressure: | Non-applicable * |
| Vapour pressure at 20 °C: | Non-applicable * |
| Vapour pressure at 50 °C: | Non-applicable * |
| Evaporation rate at 20 °C: | Non-applicable * |

Product description:

| | |
|--|--------------------------|
| Density at 20 °C: | 998,7 kg/m ³ |
| Relative density at 20 °C: | 0,999 |
| Dynamic viscosity at 20 °C: | Non-applicable * |
| Kinematic viscosity at 20 °C: | Non-applicable * |
| Kinematic viscosity at 40 °C: | >20,5 mm ² /s |
| Concentration: | Non-applicable * |
| pH: | Non-applicable * |
| Vapour density at 20 °C: | Non-applicable * |
| Partition coefficient n-octanol/water 20 °C: | Non-applicable * |
| Solubility in water at 20 °C: | Non-applicable * |
| Solubility properties: | Non-applicable * |
| Decomposition temperature: | Non-applicable * |
| Melting point/freezing point: | Non-applicable * |

Flammability:

| | |
|--------------|----------------|
| Flash Point: | Non-applicable |
|--------------|----------------|

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

- CONTINUED ON NEXT PAGE -

GO FRESH LEMON

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flammability (solid, gas): Non-applicable *
Autoignition temperature: 195 °C
Lower flammability limit: Non-applicable *
Upper flammability limit: Non-applicable *

Explosive (Solid):

Lower explosive limit: Non-applicable *
Upper explosive limit: Non-applicable *

Particle characteristics:

Median equivalent diameter: Non-applicable *

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties: Non-applicable *
Oxidising properties: Non-applicable *
Corrosive to metals: Non-applicable *
Heat of combustion: Non-applicable *
Aerosols-total percentage (by mass) of flammable components: Non-applicable *

Other safety characteristics:

Surface tension at 20 °C: Non-applicable *
Refraction index: Non-applicable *

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

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

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

10.2 Chemical stability:

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

10.3 Possibility of hazardous reactions:

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

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

| Shock and friction | Contact with air | Increase in temperature | Sunlight | Humidity |
|--------------------|------------------|-------------------------|------------|----------------|
| Not applicable | Not applicable | Precaution | Precaution | Not applicable |

10.5 Incompatible materials:

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

10.6 Hazardous decomposition products:

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

SECTION 11: TOXICOLOGICAL INFORMATION

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

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

Contains glycols. It is recommended not to breathe the vapours for prolonged periods of time due to the possibility of effects that are hazardous to the health.

- CONTINUED ON NEXT PAGE -

GO FRESH LEMON

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Dangerous health implications:

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

A- Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.

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

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

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

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

E- Sensitizing effects:

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

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

Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.

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

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

H- Aspiration hazard:

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

Other information:

Non-applicable

Specific toxicology information on the substances:

| Identification | Acute toxicity | | Genus |
|---|-----------------|----------------|--------|
| Linalool CAS: 78-70-6 EC: 201-134-4 | LD50 oral | 3500 mg/kg | Rat |
| | LD50 dermal | 5610 mg/kg | Rabbit |
| | LC50 inhalation | Non-applicable | |
| Citronellol CAS: 106-22-9 EC: 203-375-0 | LD50 oral | 3450 mg/kg | Rat |
| | LD50 dermal | 2650 mg/kg | |
| | LC50 inhalation | Non-applicable | |
| Octanal CAS: 124-13-0 EC: 204-683-8 | LD50 oral | 4617 mg/kg | Rat |
| | LD50 dermal | 5207 mg/kg | Rabbit |
| | LC50 inhalation | Non-applicable | |

- CONTINUED ON NEXT PAGE -

GO FRESH LEMON

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

| Identification | Acute toxicity | | Genus |
|--|-----------------|-----------------|--------|
| Diphenyl ether CAS: 101-84-8 EC: 202-981-2 | LD50 oral | >5000 mg/kg | Rat |
| | LD50 dermal | 7940 mg/kg | Rabbit |
| | LC50 inhalation | Non-applicable | |
| Citral CAS: 5392-40-5 EC: 226-394-6 | LD50 oral | 4950 mg/kg | Rat |
| | LD50 dermal | 2250 mg/kg | Rabbit |
| | LC50 inhalation | Non-applicable | |
| Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2 | LD50 oral | >5000 mg/kg | Rat |
| | LD50 dermal | 9510 mg/kg | Rabbit |
| | LC50 inhalation | Non-applicable | |
| hexamethylene-1,6-diisocyanate homopolymer CAS: 28182-81-2 EC: 931-274-8 | LD50 oral | 5100 mg/kg | Rat |
| | LD50 dermal | Non-applicable | |
| | LC50 inhalation | 1,5 mg/L (ATEi) | |
| 2,6-dimethyloct-7-en-2-ol CAS: 18479-58-8 EC: 242-362-4 | LD50 oral | 3600 mg/kg | |
| | LD50 dermal | Non-applicable | |
| | LC50 inhalation | Non-applicable | |
| 2-tert-butylcyclohexyl acetate CAS: 88-41-5 EC: 201-828-7 | LD50 oral | 4600 mg/kg | Rat |
| | LD50 dermal | Non-applicable | |
| | LC50 inhalation | Non-applicable | |
| 3,7-dimethylnona-2,6-dienitrile CAS: 61792-11-8 EC: 263-214-5 | LD50 oral | 2600 mg/kg | Rat |
| | LD50 dermal | Non-applicable | |
| | LC50 inhalation | Non-applicable | |
| Decanal CAS: 112-31-2 EC: 203-957-4 | LD50 oral | 41750 mg/kg | Rat |
| | LD50 dermal | Non-applicable | |
| | LC50 inhalation | Non-applicable | |
| Geraniol CAS: 106-24-1 EC: 203-377-1 | LD50 oral | 4200 mg/kg | Rat |
| | LD50 dermal | 5100 mg/kg | Rabbit |
| | LC50 inhalation | Non-applicable | |
| 2,4-dimethylcyclohex-3-ene-1-carbaldehyde CAS: 68039-49-6 EC: 268-264-1 | LD50 oral | 2500 mg/kg | |
| | LD50 dermal | Non-applicable | |
| | LC50 inhalation | Non-applicable | |
| Citronellal CAS: 106-23-0 EC: 203-376-6 | LD50 oral | 2500 mg/kg | Rat |
| | LD50 dermal | Non-applicable | |
| | LC50 inhalation | Non-applicable | |
| Nerol CAS: 106-25-2 EC: 203-378-7 | LD50 oral | >5000 mg/kg | Rat |
| | LD50 dermal | Non-applicable | |
| | LC50 inhalation | Non-applicable | |
| Butylphenyl methylpropional CAS: 80-54-6 EC: 201-289-8 | LD50 oral | 1390 mg/kg | Rat |
| | LD50 dermal | Non-applicable | |
| | LC50 inhalation | Non-applicable | |
| I-carvone CAS: 6485-40-1 EC: 229-352-5 | LD50 oral | 5400 mg/kg | Rat |
| | LD50 dermal | 3800 mg/kg | |
| | LC50 inhalation | Non-applicable | |
| Eucalyptol CAS: 470-82-6 EC: 207-431-5 | LD50 oral | 2480 mg/kg | Rat |
| | LD50 dermal | Non-applicable | |
| | LC50 inhalation | Non-applicable | |
| Dodecanal CAS: 112-54-9 EC: 203-983-6 | LD50 oral | 23100 mg/kg | Rat |
| | LD50 dermal | Non-applicable | |
| | LC50 inhalation | Non-applicable | |
| (z)-rose oxide CAS: 16409-43-1 EC: 240-457-5 | LD50 oral | 4300 mg/kg | Rat |
| | LD50 dermal | Non-applicable | |
| | LC50 inhalation | Non-applicable | |

- CONTINUED ON NEXT PAGE -

GO FRESH LEMON

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

| Identification | Acute toxicity | | Genus |
|---|-----------------|----------------|-------|
| gamma-damascone CAS: 57378-68-4 EC: 260-709-8 | LD50 oral | 1600 mg/kg | Rat |
| | LD50 dermal | Non-applicable | |
| | LC50 inhalation | Non-applicable | |
| Isoeugenol CAS: 97-54-1 EC: 202-590-7 | LD50 oral | 1500 mg/kg | Rat |
| | LD50 dermal | 1100 mg/kg | Rat |
| | LC50 inhalation | Non-applicable | |

11.2 Information on other hazards:

Endocrine disrupting properties

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

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

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

12.1 Toxicity:

Acute toxicity:

| Identification | Concentration | Species | Genus |
|--|---------------|-----------------------|---------------------------------|
| Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2 | LC50 | 10000 mg/L (96 h) | Pimephales promelas |
| | EC50 | 1919 mg/L (48 h) | Daphnia magna |
| | EC50 | Non-applicable | |
| 2-tert-butylcyclohexyl acetate CAS: 88-41-5 EC: 201-828-7 | LC50 | >1 - 10 mg/L (96 h) | Fish |
| | EC50 | >1 - 10 mg/L (48 h) | Crustacean |
| | EC50 | >1 - 10 mg/L (72 h) | Algae |
| 3,7-dimethylnona-2,6-dienitrile CAS: 61792-11-8 EC: 263-214-5 | LC50 | 2,4 mg/L (96 h) | QSAR |
| | EC50 | 2,7 mg/L (48 h) | Daphnia magna |
| | EC50 | 3,6 mg/L (72 h) | Pseudokirchneriella subcapitata |
| Octanal CAS: 124-13-0 EC: 204-683-8 | LC50 | >1 - 10 mg/L (96 h) | Fish |
| | EC50 | >1 - 10 mg/L (48 h) | Crustacean |
| | EC50 | >1 - 10 mg/L (72 h) | Algae |
| Diphenyl ether CAS: 101-84-8 EC: 202-981-2 | LC50 | >0.1 - 1 mg/L (96 h) | Fish |
| | EC50 | >0.1 - 1 mg/L (48 h) | Crustacean |
| | EC50 | >0.1 - 1 mg/L (72 h) | Algae |
| Decanal CAS: 112-31-2 EC: 203-957-4 | LC50 | >10 - 100 mg/L (96 h) | Fish |
| | EC50 | >10 - 100 mg/L (48 h) | Crustacean |
| | EC50 | >10 - 100 mg/L (72 h) | Algae |
| Citral CAS: 5392-40-5 EC: 226-394-6 | LC50 | 6,1 mg/L (24 h) | Oryzias latipes |
| | EC50 | 11 mg/L (24 h) | Daphnia magna |
| | EC50 | 16 mg/L (72 h) | Scenedesmus subspicatus |
| hexamethylene-1,6-diisocyanate homopolymer CAS: 28182-81-2 EC: 931-274-8 | LC50 | Non-applicable | |
| | EC50 | Non-applicable | |
| | EC50 | 1000 mg/L (72 h) | Scenedesmus subspicatus |
| Terpinolene CAS: 586-62-9 EC: 209-578-0 | LC50 | 0,8 mg/L (96 h) | Danio rerio |
| | EC50 | 0,63 mg/L (48 h) | Daphnia magna |
| | EC50 | 0,7 mg/L (72 h) | Pseudokirchneriella subcapitata |
| 2,4-dimethylcyclohex-3-ene-1-carbaldehyde CAS: 68039-49-6 EC: 268-264-1 | LC50 | >1 - 10 mg/L (96 h) | Fish |
| | EC50 | >1 - 10 mg/L (48 h) | Crustacean |
| | EC50 | >1 - 10 mg/L (72 h) | Algae |
| Alcohols, C11-14-iso-, C13-rich CAS: 68526-86-3 EC: 271-235-6 | LC50 | >0.1 - 1 mg/L (96 h) | Fish |
| | EC50 | >0.1 - 1 mg/L (48 h) | Crustacean |
| | EC50 | >0.1 - 1 mg/L (72 h) | Algae |

- CONTINUED ON NEXT PAGE -

GO FRESH LEMON

SECTION 12: ECOLOGICAL INFORMATION (continued)

| Identification | Concentration | Species | Genus |
|-----------------------------|----------------------------|---------------------------------|------------|
| Nerol | LC50 20 mg/L (96 h) | Danio rerio | Fish |
| CAS: 106-25-2 | EC50 32 mg/L (48 h) | Daphnia magna | Crustacean |
| EC: 203-378-7 | EC50 10 mg/L (72 h) | Pseudokirchneriella subcapitata | Algae |
| Butylphenyl methylpropional | LC50 2 mg/L (96 h) | Danio rerio | Fish |
| CAS: 80-54-6 | EC50 11 mg/L (48 h) | Daphnia magna | Crustacean |
| EC: 201-289-8 | EC50 29 mg/L (72 h) | Desmodesmus subspicatus | Algae |
| Limonene | LC50 >0.1 - 1 mg/L (96 h) | | Fish |
| CAS: 5989-27-5 | EC50 >0.1 - 1 mg/L (48 h) | | Crustacean |
| EC: 227-813-5 | EC50 >0.1 - 1 mg/L (72 h) | | Algae |
| I-carvone | LC50 6,1 mg/L (96 h) | Oncorhynchus mykiss | Fish |
| CAS: 6485-40-1 | EC50 38 mg/L (48 h) | Daphnia magna | Crustacean |
| EC: 229-352-5 | EC50 19 mg/L (72 h) | Pseudokirchneriella subcapitata | Algae |
| 10-undecanal | LC50 >10 - 100 mg/L (96 h) | | Fish |
| CAS: 112-45-8 | EC50 >10 - 100 mg/L (48 h) | | Crustacean |
| EC: 203-973-1 | EC50 >10 - 100 mg/L (72 h) | | Algae |
| gamma-damascone | LC50 >0.1 - 1 mg/L (96 h) | | Fish |
| CAS: 57378-68-4 | EC50 >0.1 - 1 mg/L (48 h) | | Crustacean |
| EC: 260-709-8 | EC50 >0.1 - 1 mg/L (72 h) | | Algae |

Chronic toxicity:

| Identification | Concentration | Species | Genus |
|---------------------------------|---------------------|---------------------|------------|
| Dipropylene Glycol Methyl Ether | NOEC Non-applicable | | |
| CAS: 34590-94-8 EC: 252-104-2 | NOEC 0,5 mg/L | Daphnia magna | Crustacean |
| 2,6-dimethyloct-7-en-2-ol | NOEC Non-applicable | | |
| CAS: 18479-58-8 EC: 242-362-4 | NOEC 9,5 mg/L | Daphnia magna | Crustacean |
| Butylphenyl methylpropional | NOEC 0,2 mg/L | Pimephales promelas | Fish |
| CAS: 80-54-6 EC: 201-289-8 | NOEC Non-applicable | | |

12.2 Persistence and degradability:

Substance-specific information:

| Identification | Degradability | Biodegradability |
|---------------------------------|-------------------------|------------------------------|
| Dipropylene Glycol Methyl Ether | BOD5 Non-applicable | Concentration Non-applicable |
| CAS: 34590-94-8 | COD 0 g O2/g | Period 28 days |
| EC: 252-104-2 | BOD5/COD Non-applicable | % Biodegradable 73 % |
| 2,6-dimethyloct-7-en-2-ol | BOD5 Non-applicable | Concentration 10 mg/L |
| CAS: 18479-58-8 | COD Non-applicable | Period 28 days |
| EC: 242-362-4 | BOD5/COD Non-applicable | % Biodegradable 72 % |
| 3,7-dimethylnona-2,6-dienitrile | BOD5 Non-applicable | Concentration 20 mg/L |
| CAS: 61792-11-8 | COD Non-applicable | Period 28 days |
| EC: 263-214-5 | BOD5/COD Non-applicable | % Biodegradable 32 % |
| Linalool | BOD5 Non-applicable | Concentration 100 mg/L |
| CAS: 78-70-6 | COD Non-applicable | Period 28 days |
| EC: 201-134-4 | BOD5/COD Non-applicable | % Biodegradable 90 % |
| Octanal | BOD5 Non-applicable | Concentration Non-applicable |
| CAS: 124-13-0 | COD Non-applicable | Period 28 days |
| EC: 204-683-8 | BOD5/COD Non-applicable | % Biodegradable 46 % |
| Diphenyl ether | BOD5 Non-applicable | Concentration 5.6 mg/L |
| CAS: 101-84-8 | COD Non-applicable | Period 20 days |
| EC: 202-981-2 | BOD5/COD Non-applicable | % Biodegradable 76 % |
| Citral | BOD5 0,56 g O2/g | Concentration 100 mg/L |
| CAS: 5392-40-5 | COD 1,99 g O2/g | Period 28 days |
| EC: 226-394-6 | BOD5/COD 0,28 | % Biodegradable 92 % |

- CONTINUED ON NEXT PAGE -

GO FRESH LEMON

SECTION 12: ECOLOGICAL INFORMATION (continued)

| Identification | Degradability | | Biodegradability | |
|--|---------------|----------------|------------------|----------|
| Geraniol CAS: 106-24-1 EC: 203-377-1 | BOD5 | Non-applicable | Concentration | 100 mg/L |
| | COD | Non-applicable | Period | 21 days |
| | BOD5/COD | Non-applicable | % Biodegradable | 70 % |
| Terpinolene CAS: 586-62-9 EC: 209-578-0 | BOD5 | Non-applicable | Concentration | 2 mg/L |
| | COD | Non-applicable | Period | 28 days |
| | BOD5/COD | Non-applicable | % Biodegradable | 81 % |
| Nerol CAS: 106-25-2 EC: 203-378-7 | BOD5 | Non-applicable | Concentration | 2 mg/L |
| | COD | Non-applicable | Period | 28 days |
| | BOD5/COD | Non-applicable | % Biodegradable | 90 % |
| Butylphenyl methylpropional CAS: 80-54-6 EC: 201-289-8 | BOD5 | Non-applicable | Concentration | 20 mg/L |
| | COD | Non-applicable | Period | 28 days |
| | BOD5/COD | Non-applicable | % Biodegradable | 81 % |
| I-carvone CAS: 6485-40-1 EC: 229-352-5 | BOD5 | Non-applicable | Concentration | 100 mg/L |
| | COD | Non-applicable | Period | 28 days |
| | BOD5/COD | Non-applicable | % Biodegradable | 90 % |

12.3 Bioaccumulative potential:

Substance-specific information:

| Identification | Bioaccumulation potential | |
|---|---------------------------|----------|
| Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2 | BCF | 1 |
| | Pow Log | -0.06 |
| | Potential | Low |
| 3,7-dimethylnona-2,6-dienitrile CAS: 61792-11-8 EC: 263-214-5 | BCF | 60 |
| | Pow Log | 3.1 |
| | Potential | Moderate |
| Linalool CAS: 78-70-6 EC: 201-134-4 | BCF | |
| | Pow Log | 2.97 |
| | Potential | |
| Octanal CAS: 124-13-0 EC: 204-683-8 | BCF | 100 |
| | Pow Log | 2.78 |
| | Potential | High |
| Diphenyl ether CAS: 101-84-8 EC: 202-981-2 | BCF | 196 |
| | Pow Log | 4.21 |
| | Potential | High |
| Decanal CAS: 112-31-2 EC: 203-957-4 | BCF | 420 |
| | Pow Log | 3.76 |
| | Potential | High |
| Citral CAS: 5392-40-5 EC: 226-394-6 | BCF | 10 |
| | Pow Log | 3.45 |
| | Potential | Low |
| Geraniol CAS: 106-24-1 EC: 203-377-1 | BCF | 110 |
| | Pow Log | 3.56 |
| | Potential | High |
| Terpinolene CAS: 586-62-9 EC: 209-578-0 | BCF | 334 |
| | Pow Log | 4.29 |
| | Potential | High |
| Citronellal CAS: 106-23-0 EC: 203-376-6 | BCF | 280 |
| | Pow Log | 3.53 |
| | Potential | High |
| Nerol CAS: 106-25-2 EC: 203-378-7 | BCF | 44 |
| | Pow Log | 2.76 |
| | Potential | Moderate |

- CONTINUED ON NEXT PAGE -

GO FRESH LEMON

SECTION 12: ECOLOGICAL INFORMATION (continued)

| Identification | Bioaccumulation potential | |
|--|---------------------------|------|
| Butylphenyl methylpropional CAS: 80-54-6 EC: 201-289-8 | BCF | 275 |
| | Pow Log | 4.2 |
| | Potential | High |
| Eucalyptol CAS: 470-82-6 EC: 207-431-5 | BCF | |
| | Pow Log | 2.74 |
| | Potential | |

12.4 Mobility in soil:

| Identification | Absorption/desorption | | Volatility | |
|---|-----------------------|-------------------------|------------|-----------------------------|
| 3,7-dimethylnona-2,6-dienitrile CAS: 61792-11-8 EC: 263-214-5 | Koc | 1000 | Henry | Non-applicable |
| | Conclusion | Low | Dry soil | Non-applicable |
| | Surface tension | Non-applicable | Moist soil | Non-applicable |
| Octanal CAS: 124-13-0 EC: 204-683-8 | Koc | 430 | Henry | Non-applicable |
| | Conclusion | Moderate | Dry soil | Non-applicable |
| | Surface tension | 2,733E-2 N/m (25 °C) | Moist soil | Non-applicable |
| Diphenyl ether CAS: 101-84-8 EC: 202-981-2 | Koc | 1960 | Henry | Non-applicable |
| | Conclusion | Low | Dry soil | Non-applicable |
| | Surface tension | 1,753E-2 N/m (258,4 °C) | Moist soil | Non-applicable |
| Decanal CAS: 112-31-2 EC: 203-957-4 | Koc | Non-applicable | Henry | Non-applicable |
| | Conclusion | Non-applicable | Dry soil | Non-applicable |
| | Surface tension | 2,811E-2 N/m (25 °C) | Moist soil | Non-applicable |
| Terpinolene CAS: 586-62-9 EC: 209-578-0 | Koc | 1120 | Henry | Non-applicable |
| | Conclusion | Low | Dry soil | Non-applicable |
| | Surface tension | 2,865E-2 N/m (25 °C) | Moist soil | Non-applicable |
| Nerol CAS: 106-25-2 EC: 203-378-7 | Koc | 94 | Henry | Non-applicable |
| | Conclusion | High | Dry soil | Non-applicable |
| | Surface tension | Non-applicable | Moist soil | Non-applicable |
| Butylphenyl methylpropional CAS: 80-54-6 EC: 201-289-8 | Koc | 1285 | Henry | 2,52 Pa·m ³ /mol |
| | Conclusion | Low | Dry soil | Yes |
| | Surface tension | Non-applicable | Moist soil | Yes |
| Eucalyptol CAS: 470-82-6 EC: 207-431-5 | Koc | Non-applicable | Henry | Non-applicable |
| | Conclusion | Non-applicable | Dry soil | Non-applicable |
| | Surface tension | 3,24E-2 N/m (25 °C) | Moist soil | Non-applicable |
| Dodecanal CAS: 112-54-9 EC: 203-983-6 | Koc | Non-applicable | Henry | Non-applicable |
| | Conclusion | Non-applicable | Dry soil | Non-applicable |
| | Surface tension | 2,867E-2 N/m (25 °C) | Moist soil | Non-applicable |

12.5 Results of PBT and vPvB assessment:

Product does not meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

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

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

| Code | Description | Waste class (Regulation (EU) No 1357/2014) |
|-----------|--|--|
| 07 01 04* | other organic solvents, washing liquids and mother liquors | Dangerous |

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

HP14 Ecotoxic, HP4 Irritant — skin irritation and eye damage

- CONTINUED ON NEXT PAGE -

GO FRESH LEMON

SECTION 13: DISPOSAL CONSIDERATIONS (continued)

Waste management (disposal and evaluation):

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

Regulations related to waste management:

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

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

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

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

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): butylphenyl methylpropional

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Geraniol (Product-type 18, 19) ; Citronellal

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

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

GO FRESH LEMON

SECTION 15: REGULATORY INFORMATION (continued)

Contains more than 0.1 % of hexamethylene-1,6-diisocyanate homopolymer by weight. 1. Shall not be used as substances on their own, as a constituent in other substances or in mixtures for industrial and professional use(s) after 24 August 2023, unless:
(a) the concentration of diisocyanates individually and in combination is less than 0,1 % by weight, or (b) the employer or self-employed ensures that industrial or professional user(s) have successfully completed training on the safe use of diisocyanates prior to the use of the substance(s) or mixture(s).

2. Shall not be placed on the market as substances on their own, as a constituent in other substances or in mixtures for industrial and professional use(s) after 24 February 2022, unless:

(a) the concentration of diisocyanates individually and in combination is less than 0,1 % by weight, or (b) the supplier ensures that the recipient of the substance(s) or mixture(s) is provided with information on the requirements referred to in point (b) of paragraph 1 and the following statement is placed on the packaging, in a manner that is visibly distinct from the rest of the label information: "As from 24 August 2023 adequate training is required before industrial or professional use".

3. For the purpose of this entry "industrial and professional user(s)" means any worker or self-employed worker handling diisocyanates on their own, as a constituent in other substances or in mixtures for industrial and professional use(s) or supervising these tasks.

4. The training referred to in point (b) of paragraph 1 shall include the instructions for the control of dermal and inhalation exposure to diisocyanates at the workplace without prejudice to any national occupational exposure limit value or other appropriate risk management measures at national level. Such training shall be conducted by an expert on occupational safety and health with competence acquired by relevant vocational training. That training shall cover as a minimum:

(a) the training elements in point (a) of paragraph 5 for all industrial and professional use(s).

(b) the training elements in points (a) and (b) of paragraph 5 for the following uses:

- handling open mixtures at ambient temperature (including foam tunnels)
- spraying in a ventilated booth
- application by roller
- application by brush
- application by dipping and pouring
- mechanical post treatment (e.g. cutting) of not fully cured articles which are not warm anymore
- cleaning and waste
- any other uses with similar exposure through the dermal and/or inhalation route

(c) the training elements in points (a), (b) and (c) of paragraph 5 for the following uses:

- handling incompletely cured articles (e.g. freshly cured, still warm)
- foundry applications
- maintenance and repair that needs access to equipment
- open handling of warm or hot formulations (> 45 °C)
- spraying in open air, with limited or only natural ventilation (includes large industry working halls) and spraying with high energy (e.g. foams, elastomers)
- and any other uses with similar exposure through the dermal and/or inhalation route.

5. Training elements:

(a) general training, including on-line training, on:

- chemistry of diisocyanates
- toxicity hazards (including acute toxicity)
- exposure to diisocyanates
- occupational exposure limit values
- how sensitisation can develop
- odour as indication of hazard
- importance of volatility for risk
- viscosity, temperature, and molecular weight of diisocyanates
- personal hygiene
- personal protective equipment needed, including practical instructions for its correct use and its limitations
- risk of dermal contact and inhalation exposure
- risk in relation to application process used
- skin and inhalation protection scheme
- ventilation
- cleaning, leakages, maintenance
- discarding empty packaging
- protection of bystanders
- identification of critical handling stages
- specific national code systems (if applicable)
- behaviour-based safety
- certification or documented proof that training has been successfully completed

(b) intermediate level training, including on-line training, on:

- additional behaviour-based aspects
- maintenance
- management of change

- CONTINUED ON NEXT PAGE -

GO FRESH LEMON

SECTION 15: REGULATORY INFORMATION (continued)

- evaluation of existing safety instructions
- risk in relation to application process used
- certification or documented proof that training has been successfully completed
- (c) advanced training, including on-line training, on:
 - any additional certification needed for the specific uses covered
 - spraying outside a spraying booth
 - open handling of hot or warm formulations (> 45 °C)
 - certification or documented proof that training has been successfully completed
- 6. The training shall comply with the provisions set by the Member State in which the industrial or professional user(s) operate. Member States may implement or continue to apply their own national requirements for the use of the substance(s) or mixture(s), as long as the minimum requirements set out in paragraphs 4 and 5 are met.
- 7. The supplier referred to in point (b) of paragraph 2 shall ensure that the recipient is provided with training material and courses pursuant to paragraphs 4 and 5 in the official language(s) of the Member State(s) where the substance(s) or mixture(s) are supplied. The training shall take into consideration the specificity of the products supplied, including composition, packaging, and design.
- 8. The employer or self-employed shall document the successful completion of the training referred to in paragraphs 4 and 5. The training shall be renewed at least every five years.
- 9. Member States shall include in their reports pursuant to Article 117(1) the following information:
 - (a) any established training requirements and other risk management measures related to the industrial and professional uses of diisocyanates foreseen in national law
 - (b) the number of cases of reported and recognised occupational asthma and occupational respiratory and dermal diseases in relation to diisocyanates
 - (c) national exposure limits for diisocyanates, if there are any
 - (d) information about enforcement activities related to this restriction.
- 10. This restriction shall apply without prejudice to other Union legislation on the protection of safety and health of workers at the workplace.

Specific provisions in terms of protecting people or the environment:

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

Other legislation:

The product could be affected by sectorial legislation

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

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

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

Non-applicable

Texts of the legislative phrases mentioned in section 2:

- H315: Causes skin irritation.
- H319: Causes serious eye irritation.
- H317: May cause an allergic skin reaction.
- H412: Harmful to aquatic life with long lasting effects.

Texts of the legislative phrases mentioned in section 3:

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

CLP Regulation (EC) No 1272/2008:

SECTION 16: OTHER INFORMATION (continued)

Acute Tox. 4: H302 - Harmful if swallowed.
 Acute Tox. 4: H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled.
 Acute Tox. 4: H332 - Harmful if inhaled.
 Aquatic Acute 1: H400 - Very toxic to aquatic life.
 Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
 Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
 Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
 Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.
 Eye Dam. 1: H318 - Causes serious eye damage.
 Eye Irrit. 2: H319 - Causes serious eye irritation.
 Flam. Liq. 3: H226 - Flammable liquid and vapour.
 Repr. 2: H361 - Suspected of damaging fertility or the unborn child.
 Skin Irrit. 2: H315 - Causes skin irritation.
 Skin Sens. 1: H317 - May cause an allergic skin reaction.
 Skin Sens. 1A: H317 - May cause an allergic skin reaction.
 Skin Sens. 1B: H317 - May cause an allergic skin reaction.
 STOT SE 3: H335 - May cause respiratory irritation.

Advice related to training:

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

Principal bibliographical sources:

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

Abbreviations and acronyms:

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

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

- END OF SAFETY DATA SHEET -