



## GREEN WOOD CITRUS SQUASH

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

- 1.1 Product identifier:** GREEN WOOD CITRUS SQUASH  
**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  
<https://airfresh24.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 2: Hazardous to the aquatic environment, long-term hazard, Category 2, H411  
 Eye Irrit. 2: Eye irritation, Category 2, H319  
 Skin Irrit. 2: Skin irritation, Category 2, H315  
 Skin Sens. 1B: Sensitisation, skin, Category 1B, H317
- 2.2 Label elements:**  
**CLP Regulation (EC) No 1272/2008** (*Labelling of packages where the contents do not exceed 125 ml*):  
**Warning**
- 

- Hazard statements:**  
 H317 - May cause an allergic skin reaction.
- Precautionary statements:**  
 P101: If medical advice is needed, have product container or label at hand.  
 P102: Keep out of reach of children.  
 P302+P352: IF ON SKIN: Wash with plenty of water.  
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.  
 P501: Dispose of the contents/containers in accordance with the current legislation on waste treatment.
- Supplementary information:**  
 Contains 1,8-cineole, 2-methylundecanal, beta-pinene, citral, citronellol, delta-damascone, dodecanal, geraniol, geranyl acetate, I-carvone, limonene, linalool, linalyl acetate.  
**UFI:** HJJF-UK0R-M105-CUN1
- 2.3 Other hazards:**  
 Product fails to meet PBT/vPvB criteria





















### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1 Substance:**  
 Non-applicable
- 3.2 Mixture:**  
**Chemical description:** Mixture composed of chemical products

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**GREEN WOOD CITRUS SQUASH**
**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)**
**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	<b>Dipropylene Glycol Methyl Ether<sup>(1)</sup></b> Regulation 1272/2008 Not classified	25 - <30 %
CAS: 56539-66-3 EC: 260-252-4 Index: Non-applicable REACH: 01-2119976333-33-XXXX	<b>3-methoxy-3-methylbutan-1-ol<sup>(2)</sup></b> Regulation 1272/2008 Eye Irrit. 2: H319 - Warning	25 - <30 % 
CAS: 112-31-2 EC: 203-957-4 Index: Non-applicable REACH: 01-2119967771-26-XXXX	<b>Decanal<sup>(2)</sup></b> Regulation 1272/2008 Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	5 - <7,5 % 
CAS: 78-70-6 EC: 201-134-4 Index: Non-applicable REACH: Non-applicable	<b>linalool<sup>(2)</sup></b> Regulation 1272/2008 Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning	5 - <7,5 % 
CAS: 8000-41-7 EC: 232-268-1 Index: Non-applicable REACH: 01-211953062-49-XXXX	<b>Terpineol<sup>(2)</sup></b> Regulation 1272/2008 Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	5 - <7,5 % 
CAS: 5989-27-5 EC: 227-813-5 Index: Non-applicable REACH: Non-applicable	<b>limonene<sup>(2)</sup></b> Regulation 1272/2008 Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	5 - <7,5 %   
CAS: 124-19-6 EC: 204-688-5 Index: Non-applicable REACH: 01-2119969440-35-XXXX	<b>Nonanal<sup>(2)</sup></b> Regulation 1272/2008 Aquatic Chronic 3: H412	2 - <3 %
CAS: 124-13-0 EC: 204-683-8 Index: Non-applicable REACH: 01-2119638274-38-XXXX	<b>Octanal<sup>(2)</sup></b> Regulation 1272/2008 Aquatic Chronic 2: H411; Eye Irrit. 2: H319; Flam. Liq. 3: H226; Skin Irrit. 2: H315 - Warning	2 - <3 %   
CAS: 5392-40-5 EC: 226-394-6 Index: 605-019-00-3 REACH: Non-applicable	<b>citral<sup>(2)</sup></b> Regulation 1272/2008 Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	2 - <3 % 
CAS: 470-82-6 EC: 207-431-5 Index: Non-applicable REACH: Non-applicable	<b>1,8-cineole<sup>(2)</sup></b> Regulation 1272/2008 Flam. Liq. 3: H226; Skin Sens. 1B: H317 - Warning	2 - <3 %  
CAS: 128-37-0 EC: 204-881-4 Index: Non-applicable REACH: 01-2119565113-46-XXXX	<b>2,6-di-tert-butyl-p-cresol<sup>(2)</sup></b> Regulation 1272/2008 Aquatic Acute 1: H400; Aquatic Chronic 1: H410 - Warning	0,5 - <0,75 % 
CAS: 112-54-9 EC: 203-983-6 Index: Non-applicable REACH: Non-applicable	<b>dodecanal<sup>(2)</sup></b> Regulation 1272/2008 Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning	0,5 - <0,75 % 
CAS: 110-41-8 EC: 203-765-0 Index: Non-applicable REACH: Non-applicable	<b>2-methylundecanal<sup>(2)</sup></b> Regulation 1272/2008 Aquatic Chronic 1: H410; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	0,5 - <0,75 %  
CAS: 106-22-9 EC: 203-375-0 Index: 01-2119453995-23-XXX REACH: Non-applicable	<b>citronellol<sup>(2)</sup></b> Regulation 1272/2008 Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning	0,5 - <0,75 % 
CAS: 106-24-1 EC: 203-377-1 Index: Non-applicable REACH: Non-applicable	<b>geraniol<sup>(2)</sup></b> Regulation 1272/2008 Eye Dam. 1: H318; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Danger	0,5 - <0,75 %  

<sup>(1)</sup> Substance with a Union workplace exposure limit

<sup>(2)</sup> Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2015/830

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**GREEN WOOD CITRUS SQUASH**
**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)**

Identification	Chemical name/Classification		Concentration
CAS: 105-87-3 EC: 203-341-5 Index: Non-applicable REACH: Non-applicable	<b>geranyl acetate<sup>(2)</sup></b> Self-classified		<b>0,5 - &lt;0,75 %</b>
	Regulation 1272/2008	Aquatic Chronic 3: H412; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning 	
CAS: 115-95-7 EC: 204-116-4 Index: Non-applicable REACH: Non-applicable	<b>linalyl acetate<sup>(2)</sup></b> Self-classified		<b>0,5 - &lt;0,75 %</b>
	Regulation 1272/2008	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning 	
CAS: 18172-67-3 EC: 242-060-2 Index: Non-applicable REACH: Non-applicable	<b>beta-pinene<sup>(2)</sup></b> Self-classified		<b>0,5 - &lt;0,75 %</b>
	Regulation 1272/2008	Aquatic Chronic 1: H410; Asp. Tox. 1: H304; Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Danger 	
CAS: 6485-40-1 EC: 229-352-5 Index: Non-applicable REACH: Non-applicable	<b>I-carvone<sup>(2)</sup></b> Self-classified		<b>0,5 - &lt;0,75 %</b>
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Sens. 1: H317 - Warning 	
CAS: 57378-68-4 EC: 260-709-8 Index: Non-applicable REACH: Non-applicable	<b>delta-damascone<sup>(2)</sup></b> Self-classified		<b>0,5 - &lt;0,75 %</b>
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Chronic 1: H410; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning 	

<sup>(1)</sup> Substance with a Union workplace exposure limit

<sup>(2)</sup> Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2015/830

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

**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 does not contain substances classified as hazardous for inhalation, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Seek medical attention if the symptoms get worse or 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.

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**GREEN WOOD CITRUS SQUASH****SECTION 5: FIREFIGHTING MEASURES (continued)****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.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions, protective equipment and emergency procedures:**

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilled product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Destroy any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

**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:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

**6.4 Reference to other sections:**

See sections 8 and 13.

**SECTION 7: HANDLING AND STORAGE****7.1 Precautions for safe handling:****A.- Precautions for safe manipulation**

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

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

Avoid the evaporation of the product as it contains flammable substances, which could form flammable vapour/air mixtures in the presence of sources of ignition. Control sources of ignition (mobile phones, sparks,...) and transfer at slow speeds to avoid the creation of electrostatic charges. Consult section 10 for conditions and materials that should be avoided.

**C.- Technical recommendations to prevent ergonomic and toxicological risks**

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

**D.- Technical recommendations to prevent environmental risks**

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

**7.2 Conditions for safe storage, including any incompatibilities:****A.- Technical measures for storage**

Minimum Temp.: 5 °C

Maximum Temp.: 35 °C

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**GREEN WOOD CITRUS SQUASH**

**SECTION 7: HANDLING AND STORAGE (continued)**

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
	IOELV (STEL)		

**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 <sup>3</sup>	Non-applicable
3-methoxy-3-methylbutan-1-ol CAS: 56539-66-3 EC: 260-252-4	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	6,25 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	18 mg/m <sup>3</sup>	Non-applicable
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 <sup>3</sup>	124,28 mg/m <sup>3</sup>	24,86 mg/m <sup>3</sup>	62,14 mg/m <sup>3</sup>
linalool CAS: 78-70-6 EC: 201-134-4	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	5 mg/kg	Non-applicable	2,5 mg/kg	Non-applicable
	Inhalation	16,5 mg/m <sup>3</sup>	Non-applicable	2,8 mg/m <sup>3</sup>	Non-applicable
Terpineol CAS: 8000-41-7 EC: 232-268-1	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	6,36 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	44,8 mg/m <sup>3</sup>	Non-applicable
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 <sup>3</sup>	Non-applicable
Nonanal CAS: 124-19-6 EC: 204-688-5	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	7 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	24,9 mg/m <sup>3</sup>	Non-applicable
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 <sup>3</sup>	Non-applicable
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 <sup>3</sup>	Non-applicable
1,8-cineole 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 <sup>3</sup>	Non-applicable
2,6-di-tert-butyl-p-cresol CAS: 128-37-0 EC: 204-881-4	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	3,5 mg/m <sup>3</sup>	Non-applicable

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**GREEN WOOD CITRUS SQUASH**

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)**

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
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 <sup>3</sup>	Non-applicable
2-methylundecanal CAS: 110-41-8 EC: 203-765-0	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	100 mg/kg	Non-applicable	10,46 mg/kg	Non-applicable
	Inhalation	352,63 mg/m <sup>3</sup>	881,58 mg/m <sup>3</sup>	36,89 mg/m <sup>3</sup>	92,21 mg/m <sup>3</sup>
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 <sup>3</sup>	161,6 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
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 <sup>3</sup>	Non-applicable
geranyl acetate CAS: 105-87-3 EC: 203-341-5	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	35,5 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	62,59 mg/m <sup>3</sup>	Non-applicable
linalyl acetate CAS: 115-95-7 EC: 204-116-4	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	2,5 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	2,75 mg/m <sup>3</sup>	Non-applicable
beta-pinene CAS: 18172-67-3 EC: 242-060-2	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,8 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	5,69 mg/m <sup>3</sup>	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 <sup>3</sup>	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 <sup>3</sup>	Non-applicable
3-methoxy-3-methylbutan-1-ol CAS: 56539-66-3 EC: 260-252-4	Oral	Non-applicable	Non-applicable	2,5 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	3,1 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	4,4 mg/m <sup>3</sup>	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 <sup>3</sup>	30,65 mg/m <sup>3</sup>	6,13 mg/m <sup>3</sup>	15,32 mg/m <sup>3</sup>
linalool CAS: 78-70-6 EC: 201-134-4	Oral	1,2 mg/kg	Non-applicable	0,2 mg/kg	Non-applicable
	Dermal	2,5 mg/kg	Non-applicable	1,25 mg/kg	Non-applicable
	Inhalation	4,1 mg/m <sup>3</sup>	Non-applicable	0,7 mg/m <sup>3</sup>	Non-applicable
Terpineol CAS: 8000-41-7 EC: 232-268-1	Oral	Non-applicable	Non-applicable	2,69 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	2,69 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	7,96 mg/m <sup>3</sup>	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 <sup>3</sup>	Non-applicable
Nonanal CAS: 124-19-6 EC: 204-688-5	Oral	Non-applicable	Non-applicable	3,5 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	3,5 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	6,1 mg/m <sup>3</sup>	Non-applicable
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 <sup>3</sup>	Non-applicable

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**GREEN WOOD CITRUS SQUASH**
**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)**

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
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 <sup>3</sup>	Non-applicable
1,8-cineole 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 <sup>3</sup>	Non-applicable
2,6-di-tert-butyl-p-cresol CAS: 128-37-0 EC: 204-881-4	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,25 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	0,86 mg/m <sup>3</sup>	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 <sup>3</sup>	Non-applicable
2-methylundecanal CAS: 110-41-8 EC: 203-765-0	Oral	25 mg/kg	Non-applicable	5,23 mg/kg	Non-applicable
	Dermal	50 mg/kg	Non-applicable	5,23 mg/kg	Non-applicable
	Inhalation	86,96 mg/m <sup>3</sup>	217,39 mg/m <sup>3</sup>	9,1 mg/m <sup>3</sup>	22,74 mg/m <sup>3</sup>
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 <sup>3</sup>	47,8 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
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 <sup>3</sup>	Non-applicable
geranyl acetate CAS: 105-87-3 EC: 203-341-5	Oral	Non-applicable	Non-applicable	8,9 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	17,75 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	15,4 mg/m <sup>3</sup>	Non-applicable
linalyl acetate CAS: 115-95-7 EC: 204-116-4	Oral	Non-applicable	Non-applicable	0,2 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	1,25 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	0,68 mg/m <sup>3</sup>	Non-applicable
beta-pinene CAS: 18172-67-3 EC: 242-060-2	Oral	Non-applicable	Non-applicable	0,3 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	0,3 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	1 mg/m <sup>3</sup>	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 <sup>3</sup>	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
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
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
Terpineol CAS: 8000-41-7 EC: 232-268-1	STP	2,57 mg/L	Fresh water	0,012 mg/L
	Soil	0,045 mg/kg	Marine water	0,0012 mg/L
	Intermittent	0,12 mg/L	Sediment (Fresh water)	0,263 mg/kg
	Oral	0,0166 g/kg	Sediment (Marine water)	0,026 mg/kg

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**GREEN WOOD CITRUS SQUASH**

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)**

Identification				
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
Nonanal CAS: 124-19-6 EC: 204-688-5	STP	3,16 mg/L	Fresh water	0,00145 mg/L
	Soil	0,02022 mg/kg	Marine water	0,000145 mg/L
	Intermittent	0,0145 mg/L	Sediment (Fresh water)	0,106 mg/kg
	Oral	0,313 g/kg	Sediment (Marine water)	0,01056 mg/kg
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
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
1,8-cineole 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
2,6-di-tert-butyl-p-cresol CAS: 128-37-0 EC: 204-881-4	STP	0,17 mg/L	Fresh water	0,000199 mg/L
	Soil	0,04769 mg/kg	Marine water	0,00002 mg/L
	Intermittent	0,00199 mg/L	Sediment (Fresh water)	0,0996 mg/kg
	Oral	0,00833 g/kg	Sediment (Marine water)	0,00996 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
2-methylundecanal CAS: 110-41-8 EC: 203-765-0	STP	10 mg/L	Fresh water	0,00066 mg/L
	Soil	0,0526 mg/kg	Marine water	0,000066 mg/L
	Intermittent	0,0018 mg/L	Sediment (Fresh water)	0,265 mg/kg
	Oral	0,116 g/kg	Sediment (Marine water)	0,0265 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
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
geranyl acetate CAS: 105-87-3 EC: 203-341-5	STP	8 mg/L	Fresh water	0,00372 mg/L
	Soil	0,086 mg/kg	Marine water	0,000372 mg/L
	Intermittent	0,0372 mg/L	Sediment (Fresh water)	0,442 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,044 mg/kg
linalyl acetate CAS: 115-95-7 EC: 204-116-4	STP	1 mg/L	Fresh water	0,011 mg/L
	Soil	0,115 mg/kg	Marine water	0,001 mg/L
	Intermittent	0,11 mg/L	Sediment (Fresh water)	0,609 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,061 mg/kg
beta-pinene CAS: 18172-67-3 EC: 242-060-2	STP	3,26 mg/L	Fresh water	0,001004 mg/L
	Soil	0,067 mg/kg	Marine water	0,0001 mg/L
	Intermittent	Non-applicable	Sediment (Fresh water)	0,337 mg/kg
	Oral	0,0131 g/kg	Sediment (Marine water)	0,034 mg/kg

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## GREEN WOOD CITRUS SQUASH

### 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

#### 8.2 Exposure controls:



##### A.- General security and hygiene measures in the work place

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	Protective gloves against minor risks			Replace gloves in case of any sign of damage. For prolonged periods of exposure to the product for professional users/industrials, we recommend using CE III gloves in line with standards EN 420:2004+A1:2010 and EN ISO 374-1:2016+A1:2018

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.- Ocular and facial 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.
	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

#### Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	79 % weight
V.O.C. density at 20 °C:	737,9 kg/m <sup>3</sup> (737,9 g/L)

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## GREEN WOOD CITRUS SQUASH

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Average carbon number:	7,7
Average molecular weight:	138,66 g/mol

### 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:	Liquid
Appearance:	Fluid
Colour:	 Yellow
Odour:	Fruity
Odour threshold:	Non-applicable *

##### Volatility:

Boiling point at atmospheric pressure:	Non-applicable *
Vapour pressure at 20 °C:	93 Pa
Vapour pressure at 50 °C:	599,49 Pa (0,6 kPa)
Evaporation rate at 20 °C:	Non-applicable *

##### Product description:

Density at 20 °C:	934 kg/m <sup>3</sup>
Relative density at 20 °C:	0,934
Dynamic viscosity at 20 °C:	Non-applicable *
Kinematic viscosity at 20 °C:	Non-applicable *
Kinematic viscosity at 40 °C:	Non-applicable *
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:	
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *

##### Flammability:

Flash Point:	Non Flammable (>60 °C)
Heat of combustion:	Non-applicable *
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	195 °C
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *

##### Explosive:

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

#### 9.2 Other information:

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

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**GREEN WOOD CITRUS SQUASH**

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)**

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 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 (CO<sub>2</sub>), carbon monoxide and other organic compounds.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects:**

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 .

**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, as it does not contain substances classified as dangerous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. 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):

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**GREEN WOOD CITRUS SQUASH**

**SECTION 11: TOXICOLOGICAL INFORMATION (continued)**

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.  
IARC: limonene (3); 2,6-di-tert-butyl-p-cresol (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous 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 dangerous with sensitising effects. For more information see section 3.
- Cutaneous: 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, as it does not contain substances classified as dangerous for this effect. 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 dangerous 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 dangerous 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 dangerous 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	
limonene CAS: 5989-27-5 EC: 227-813-5	LD50 oral	4400 mg/kg	Rat
	LD50 dermal	5100 mg/kg	Rabbit
	LC50 inhalation	Non-applicable	
Nonanal CAS: 124-19-6 EC: 204-688-5	LD50 oral	41750 mg/kg	Rat
	LD50 dermal	6800 mg/kg	Rabbit
	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	
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	
Decanal CAS: 112-31-2 EC: 203-957-4	LD50 oral	41750 mg/kg	Rat
	LD50 dermal	Non-applicable	
	LC50 inhalation	Non-applicable	
Terpineol CAS: 8000-41-7 EC: 232-268-1	LD50 oral	4300 mg/kg	
	LD50 dermal	Non-applicable	
	LC50 inhalation	Non-applicable	
1,8-cineole CAS: 470-82-6 EC: 207-431-5	LD50 oral	2480 mg/kg	Rat
	LD50 dermal	Non-applicable	
	LC50 inhalation	Non-applicable	
2,6-di-tert-butyl-p-cresol CAS: 128-37-0 EC: 204-881-4	LD50 oral	10000 mg/kg	Rat
	LD50 dermal	Non-applicable	
	LC50 inhalation	Non-applicable	

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**GREEN WOOD CITRUS SQUASH**
**SECTION 11: TOXICOLOGICAL INFORMATION (continued)**

Identification	Acute toxicity		Genus
	LD50 oral	LD50 dermal	
dodecanal CAS: 112-54-9 EC: 203-983-6	23100 mg/kg	Non-applicable	Rat
2-methylundecanal CAS: 110-41-8 EC: 203-765-0	5100 mg/kg	8300 mg/kg	Rat Rabbit
citronellol CAS: 106-22-9 EC: 203-375-0	3450 mg/kg	2650 mg/kg	Rat
geraniol CAS: 106-24-1 EC: 203-377-1	4200 mg/kg	5100 mg/kg	Rat Rabbit
linalyl acetate CAS: 115-95-7 EC: 204-116-4	14500 mg/kg	5610 mg/kg	Rat Rabbit
beta-pinene CAS: 18172-67-3 EC: 242-060-2	4800 mg/kg	Non-applicable	Rat
I-carvone CAS: 6485-40-1 EC: 229-352-5	5400 mg/kg	3800 mg/kg	Rat
delta-damascone CAS: 57378-68-4 EC: 260-709-8	1600 mg/kg	Non-applicable	Rat

**SECTION 12: ECOLOGICAL INFORMATION**

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

**12.1 Toxicity:**

Identification	Acute toxicity		Species	Genus
	LC50	EC50		
Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2	10000 mg/L (96 h)		Pimephales promelas	Fish
	1919 mg/L (48 h)		Daphnia magna	Crustacean
	Non-applicable			
Decanal CAS: 112-31-2 EC: 203-957-4	>10 - 100 mg/L (96 h)			Fish
	>10 - 100 mg/L (48 h)			Crustacean
	>10 - 100 mg/L (72 h)			Algae
limonene CAS: 5989-27-5 EC: 227-813-5	0.702 mg/L (96 h)		Pimephales promelas	Fish
	0.577 mg/L (48 h)		Daphnia magna	Crustacean
	Non-applicable			
Nonanal CAS: 124-19-6 EC: 204-688-5	>10 - 100 mg/L (96 h)			Fish
	>10 - 100 mg/L (48 h)			Crustacean
	>10 - 100 mg/L (72 h)			Algae
Octanal CAS: 124-13-0 EC: 204-683-8	13.5 mg/L (96 h)		Pimephales promelas	Fish
	1.54 mg/L (48 h)		Daphnia magna	Crustacean
	4.5 mg/L (72 h)		Pseudokirchneriella subcapitata	Algae
2,6-di-tert-butyl-p-cresol CAS: 128-37-0 EC: 204-881-4	0.57 mg/L (96 h)		Brachydanio rerio	Fish
	0.61 mg/L (48 h)		Daphnia magna	Crustacean
	Non-applicable			
2-methylundecanal CAS: 110-41-8 EC: 203-765-0	>0.1 - 1 mg/L (96 h)			Fish
	>0.1 - 1 mg/L (48 h)			Crustacean
	>0.1 - 1 mg/L (72 h)			Algae

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**GREEN WOOD CITRUS SQUASH**

**SECTION 12: ECOLOGICAL INFORMATION (continued)**

Identification	Acute toxicity		Species	Genus
geranyl acetate CAS: 105-87-3 EC: 203-341-5	LC50	>10 - 100 mg/L (96 h)		Fish
	EC50	>10 - 100 mg/L (48 h)		Crustacean
	EC50	>10 - 100 mg/L (72 h)		Algae
beta-pinene CAS: 18172-67-3 EC: 242-060-2	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
delta-damascone CAS: 57378-68-4 EC: 260-709-8	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

**12.2 Persistence and degradability:**

Identification	Degradability		Biodegradability	
Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2	BOD5	Non-applicable	Concentration	Non-applicable
	COD	0 g O2/g	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	73 %
linalool CAS: 78-70-6 EC: 201-134-4	BOD5	Non-applicable	Concentration	100 mg/L
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	90 %
limonene CAS: 5989-27-5 EC: 227-813-5	BOD5	Non-applicable	Concentration	Non-applicable
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	100 %
Nonanal CAS: 124-19-6 EC: 204-688-5	BOD5	Non-applicable	Concentration	20.2 mg/L
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	83 %
Octanal CAS: 124-13-0 EC: 204-683-8	BOD5	Non-applicable	Concentration	Non-applicable
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	46 %
citral CAS: 5392-40-5 EC: 226-394-6	BOD5	0,56 g O2/g	Concentration	100 mg/L
	COD	1,99 g O2/g	Period	28 days
	BOD5/COD	0,28	% Biodegradable	92 %
2,6-di-tert-butyl-p-cresol CAS: 128-37-0 EC: 204-881-4	BOD5	Non-applicable	Concentration	50 mg/L
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	4,5 %
2-methylundecanal CAS: 110-41-8 EC: 203-765-0	BOD5	Non-applicable	Concentration	100 mg/L
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	68 %
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 %
linalyl acetate CAS: 115-95-7 EC: 204-116-4	BOD5	Non-applicable	Concentration	81 mg/L
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	80 %
beta-pinene CAS: 18172-67-3 EC: 242-060-2	BOD5	Non-applicable	Concentration	2 mg/L
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	76 %
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:**

Identification	Bioaccumulation potential	
Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2	BCF	1
	Pow Log	-0.06
	Potential	Low

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**GREEN WOOD CITRUS SQUASH**

**SECTION 12: ECOLOGICAL INFORMATION (continued)**

Identification	Bioaccumulation potential	
Decanal CAS: 112-31-2 EC: 203-957-4	BCF	420
	Pow Log	3.76
	Potential	High
linalool CAS: 78-70-6 EC: 201-134-4	BCF	39
	Pow Log	2.97
	Potential	Moderate
limonene CAS: 5989-27-5 EC: 227-813-5	BCF	660
	Pow Log	4.83
	Potential	High
Nonanal CAS: 124-19-6 EC: 204-688-5	BCF	94
	Pow Log	2.84
	Potential	Moderate
Octanal CAS: 124-13-0 EC: 204-683-8	BCF	100
	Pow Log	2.78
	Potential	High
citral CAS: 5392-40-5 EC: 226-394-6	BCF	10
	Pow Log	3.45
	Potential	Low
1,8-cineole CAS: 470-82-6 EC: 207-431-5	BCF	
	Pow Log	2.74
	Potential	
2,6-di-tert-butyl-p-cresol CAS: 128-37-0 EC: 204-881-4	BCF	1365
	Pow Log	5.1
	Potential	Very High
2-methylundecanal CAS: 110-41-8 EC: 203-765-0	BCF	
	Pow Log	5
	Potential	
geraniol CAS: 106-24-1 EC: 203-377-1	BCF	110
	Pow Log	3.56
	Potential	High
linalyl acetate CAS: 115-95-7 EC: 204-116-4	BCF	174
	Pow Log	3.9
	Potential	High
beta-pinene CAS: 18172-67-3 EC: 242-060-2	BCF	1100
	Pow Log	4.4
	Potential	Very High

**12.4 Mobility in soil:**

Identification	Absorption/desorption		Volatility	
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
limonene CAS: 5989-27-5 EC: 227-813-5	Koc	6324	Henry	2533,13 Pa·m <sup>3</sup> /mol
	Conclusion	Immobile	Dry soil	Yes
	Surface tension	2,675E-2 N/m (25 °C)	Moist soil	Yes
Nonanal CAS: 124-19-6 EC: 204-688-5	Koc	692	Henry	Non-applicable
	Conclusion	Moderate	Dry soil	Non-applicable
	Surface tension	2,784E-2 N/m (25 °C)	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
1,8-cineole 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

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**GREEN WOOD CITRUS SQUASH**

**SECTION 12: ECOLOGICAL INFORMATION (continued)**

Identification	Absorption/desorption		Volatility	
2,6-di-tert-butyl-p-cresol CAS: 128-37-0 EC: 204-881-4	Koc	8183	Henry	3,42E-1 Pa·m <sup>3</sup> /mol
	Conclusion		Dry soil	Yes
	Surface tension	1,255E-2 N/m (258,85 °C)	Moist soil	Yes
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
2-methylundecanal CAS: 110-41-8 EC: 203-765-0	Koc	4000	Henry	Non-applicable
	Conclusion	Low	Dry soil	Non-applicable
	Surface tension	Non-applicable	Moist soil	Non-applicable
linalyl acetate CAS: 115-95-7 EC: 204-116-4	Koc	518	Henry	177 Pa·m <sup>3</sup> /mol
	Conclusion	Low	Dry soil	Yes
	Surface tension	Non-applicable	Moist soil	Yes
beta-pinene CAS: 18172-67-3 EC: 242-060-2	Koc	2080	Henry	Non-applicable
	Conclusion	Low	Dry soil	Non-applicable
	Surface tension	2,685E-2 N/m (25 °C)	Moist soil	Non-applicable

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

Product fails to meet PBT/vPvB criteria

**12.6 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

**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. We do not recommend disposal down the drain. 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**

**Transport of dangerous goods by land:**

With regard to ADR 2021 and RID 2021:

**GREEN WOOD CITRUS SQUASH**

**SECTION 14: TRANSPORT INFORMATION (continued)**



- 14.1 UN number:** UN3082
- 14.2 UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2,6-di-tert-butyl-p-cresol; limonene)
- 14.3 Transport hazard class(es):** 9  
Labels: 9
- 14.4 Packing group:** III
- 14.5 Environmental hazards:** Yes
- 14.6 Special precautions for user**  
Special regulations: 274, 335, 375, 601  
Tunnel restriction code: -  
Physico-Chemical properties: see section 9  
Limited quantities: 5 L
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:** Non-applicable

**Transport of dangerous goods by sea:**

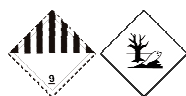
With regard to IMDG 39-18:



- 14.1 UN number:** UN3082
- 14.2 UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2,6-di-tert-butyl-p-cresol; limonene)
- 14.3 Transport hazard class(es):** 9  
Labels: 9
- 14.4 Packing group:** III
- 14.5 Marine pollutant:** Yes
- 14.6 Special precautions for user**  
Special regulations: 335, 969, 274  
EmS Codes: F-A, S-F  
Physico-Chemical properties: see section 9  
Limited quantities: 5 L  
Segregation group: Non-applicable
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:** Non-applicable

**Transport of dangerous goods by air:**

With regard to IATA/ICAO 2021:



- 14.1 UN number:** UN3082
- 14.2 UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2,6-di-tert-butyl-p-cresol; limonene)
- 14.3 Transport hazard class(es):** 9  
Labels: 9
- 14.4 Packing group:** III
- 14.5 Environmental hazards:** Yes
- 14.6 Special precautions for user**  
Physico-Chemical properties: see section 9
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:** Non-applicable

**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): Non-applicable

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

## GREEN WOOD CITRUS SQUASH

### SECTION 15: REGULATORY INFORMATION (continued)

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

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 ....):**

Shall not be used in:

- ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
- tricks and jokes,
- games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

**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 (Regulation (EC) No 2015/830).

**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.
- H411: Toxic to aquatic life with long lasting effects.
- H317: May cause an allergic skin reaction.
- H319: Causes serious eye irritation.

**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:**

- Acute Tox. 4: H302 - Harmful if swallowed.
- 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.
- Skin Irrit. 2: H315 - Causes skin irritation.
- Skin Sens. 1: H317 - May cause an allergic skin reaction.
- Skin Sens. 1B: H317 - May cause an allergic skin reaction.

**Classification procedure:**

- Skin Irrit. 2: Calculation method
- Aquatic Chronic 2: Calculation method
- Skin Sens. 1B: Calculation method
- Eye Irrit. 2: Calculation method

**Advice related to training:**

Minimal 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>

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**GREEN WOOD CITRUS SQUASH****SECTION 16: OTHER INFORMATION (continued)****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

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 -