

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : Pumice Hand Scrub  
Product code : WP 2130

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

##### 1.2.1. Relevant identified uses

Industrial/Professional use spec : Industrial  
For professional use only

##### 1.2.2. Uses advised against

No additional information available

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

Wessex Chemical Factors Ltd  
17 Crane Way, Woolsbridge Industrial Park,  
Three Legged Cross, Wimborne, Dorset – BH21 6FA  
United Kingdom

T +44 (0) 1202 823 699 - F +44 (0) 1202 813 863

[www.wessexchemicalfactors.co.uk](http://www.wessexchemicalfactors.co.uk)

E-mail address of competent person responsible for the SDS : [info@wessexchemicalfactors.co.uk](mailto:info@wessexchemicalfactors.co.uk)

#### 1.4. Emergency telephone number

Emergency number : +44 (0) 1202 823 699 (Office hours only 9am - 5pm Monday - Thursday, 9am - 4pm Friday.)  
+44 (0) 7973629367 (Out of hours emergency number)

### SECTION 2: Hazards identification

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

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

EUH-statements : EUH208 - Contains (R)-p-mentha-1,8-diene; d-limonene(5989-27-5). May produce an allergic reaction.  
EUH210 - Safety data sheet available on request.

#### 2.3. Other hazards

Other hazards which do not result in classification : If spilled, may cause the floor to be slippery.

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

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### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
pumice	CAS-No.: 1332-09-8	1 – 3	Not classified
methyl methacrylate-potassium acrylate copolymer	CAS-No.: 144645-17-0	< 3	Not classified
alcohols, C12-14, ethoxylated (1-2.5 EO), sulphates, sodium salts <5%	CAS-No.: 68891-38-3 EC-No.: 500-234-8 REACH-no: 01-2119488639-16-0020	1 – 3	Skin Irrit. 2, H315 Aquatic Chronic 3, H412
1-propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs., hydroxides, inner salts 4 % < C ≤ 10 %	CAS-No.: 97862-59-4 EC-No.: 931-296-8	0.1 – 1	Eye Irrit. 2, H319 Aquatic Chronic 3, H412
(R)-p-mentha-1,8-diene; d-limonene	CAS-No.: 5989-27-5 EC-No.: 227-813-5 EC Index-No.: 601-096-00-2	0.01 – 1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 3, H412
CITRAL	CAS-No.: 5392-40-5 EC-No.: 226-394-6	0.01 – 0.1	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
1,3-bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione	CAS-No.: 6440-58-0 EC-No.: 229-222-8	0.01 – 0.1	Acute Tox. 4 (Oral), H302
TERPINOLENE	CAS-No.: 586-62-9 EC-No.: 209-578-0	< 0.01	Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410
ALPHA-PINENES	CAS-No.: 80-56-8 EC-No.: 201-291-9	< 0.01	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410
GAMMA-TERPINENE	CAS-No.: 99-85-4 EC-No.: 202-794-6	< 0.01	Flam. Liq. 3, H226 Repr. 2, H361 Aquatic Chronic 2, H411
P-CYMENE	CAS-No.: 99-87-6 EC-No.: 202-796-7	< 0.01	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Asp. Tox. 1, H304
CAMPHENE	CAS-No.: 79-92-5 EC-No.: 201-234-8	< 0.01	Flam. Sol. 2, H228 Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
MYRCENE	CAS-No.: 123-35-3 EC-No.: 204-622-5	< 0.01	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Chronic 2, H411

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
6-METHYL-5-HEPTEN-2-ONE	CAS-No.: 110-93-0 EC-No.: 203-816-7	< 0.01	Flam. Liq. 3, H226
DIETHYL PHTHALATE	CAS-No.: 84-66-2 EC-No.: 201-550-6	< 0.01	Not classified
geranyl acetate	CAS-No.: 105-87-3 EC-No.: 203-341-5	< 0.01	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 3, H412
LINALOOL	CAS-No.: 78-70-6 EC-No.: 201-134-4	< 0.01	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
NERYL ACETATE	CAS-No.: 141-12-8 EC-No.: 205-459-2	< 0.01	Skin Sens. 1B, H317
GERANYL FORMATE	CAS-No.: 105-86-2 EC-No.: 203-339-4	< 0.01	Skin Sens. 1B, H317 Aquatic Chronic 2, H411
CITRONELLYL FORMATE	CAS-No.: 105-85-1 EC-No.: 203-338-9	< 0.01	Skin Irrit. 2, H315 Skin Sens. 1B, H317
formaldehyde ...% (Note B)(Note D)	CAS-No.: 50-00-0 EC-No.: 200-001-8 EC Index-No.: 605-001-00-5 REACH-no: 01-2119488953-20-XXXX	< 0.01	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Acute Tox. 3 (Inhalation:dust,mist), H331 Skin Corr. 1B, H314 Skin Sens. 1, H317 Muta. 2, H341 Carc. 1B, H350
methanol	CAS-No.: 67-56-1 EC-No.: 200-659-6 EC Index-No.: 603-001-00-X REACH-no: 01-2119433307-44-XXXX	< 0.01	Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 STOT SE 1, H370

### Specific concentration limits:

Name	Product identifier	Specific concentration limits
formaldehyde ...%	CAS-No.: 50-00-0 EC-No.: 200-001-8 EC Index-No.: 605-001-00-5 REACH-no: 01-2119488953-20-XXXX	( 0.2 ≤C < 100) Skin Sens. 1, H317 ( 5 ≤C < 100) STOT SE 3, H335 ( 5 ≤C < 25) Eye Irrit. 2, H319 ( 5 ≤C < 25) Skin Irrit. 2, H315 ( 25 ≤C < 100) Skin Corr. 1B, H314
methanol	CAS-No.: 67-56-1 EC-No.: 200-659-6 EC Index-No.: 603-001-00-X REACH-no: 01-2119433307-44-XXXX	( 3 ≤C < 10) STOT SE 2, H371 ( 10 ≤C < 100) STOT SE 1, H370

Note B : Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.

Note D : Certain substances which are susceptible to spontaneous polymerisation or decomposition are generally placed on the market in a stabilised form. It is in this form that they are listed in Part 3. However, such substances are sometimes placed on the market in a non-stabilised form. In this case, the supplier must state on the label the name of the substance followed by the words 'non-stabilised'.

Full text of H- and EUH-statements: see section 16

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Allow affected person to breathe fresh air. Allow the victim to rest.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

#### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use.
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#### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.

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

No additional information available

#### 5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

Emergency procedures	: Evacuate unnecessary personnel.
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##### 6.1.2. For emergency responders

Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Ventilate area.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

Methods for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.
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#### 6.4. Reference to other sections

See Section 8. Exposure controls and personal protection.

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

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

Technical measures : Comply with applicable regulations.  
Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use.  
Incompatible products : Strong bases. Strong acids.  
Incompatible materials : Sources of ignition. Direct sunlight.

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

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1 National occupational exposure and biological limit values

formaldehyde ...% (50-00-0)	
<b>EU - Indicative Occupational Exposure Limit (IOEL)</b>	
Local name	Formaldehyde
IOEL TWA	0.37 mg/m <sup>3</sup>
IOEL STEL	0.74 mg/m <sup>3</sup> (BOEL)
IOEL STEL [ppm]	0.6 ppm (BOEL)
Remark	Dermal sensitisation
Regulatory reference	DIRECTIVE (EU) 2019/983 (amending Directive 2004/37/EC)
<b>EU - Binding Occupational Exposure Limit (BOEL)</b>	
Local name	Formaldehyde
BOEL TWA	0.37 mg/m <sup>3</sup> 0.62 mg/m <sup>3</sup> (Limit value for the health care, funeral and embalming sectors until 11 July 2024)
BOEL TWA [ppm]	0.3 ppm 0.5 ppm (Limit value for the health care, funeral and embalming sectors until 11 July 2024)
BOEL STEL	0.74 mg/m <sup>3</sup>
BOEL STEL [ppm]	0.6 ppm
Notes	Dermal sensitisation
Regulatory reference	DIRECTIVE (EU) 2019/983 (amending Directive 2004/37/EC)
<b>United Kingdom - Occupational Exposure Limits</b>	
Local name	Formaldehyde
WEL TWA (OEL TWA) [1]	2.5 mg/m <sup>3</sup>
WEL TWA (OEL TWA) [2]	2 ppm
WEL STEL (OEL STEL)	2.5 mg/m <sup>3</sup>
WEL STEL (OEL STEL) [ppm]	2 ppm

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<b>formaldehyde ...% (50-00-0)</b>	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
<b>methanol (67-56-1)</b>	
<b>EU - Indicative Occupational Exposure Limit (IOEL)</b>	
Local name	Methanol
IOEL TWA [ppm]	200 ppm
Remark	Skin
Regulatory reference	COMMISSION DIRECTIVE 2006/15/EC
<b>United Kingdom - Occupational Exposure Limits</b>	
Local name	Methanol
WEL TWA (OEL TWA) [1]	266 mg/m <sup>3</sup>
WEL TWA (OEL TWA) [2]	200 ppm
WEL STEL (OEL STEL)	333 mg/m <sup>3</sup>
WEL STEL (OEL STEL) [ppm]	250 ppm
Remark	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
<b>DIETHYL PHTHALATE (84-66-2)</b>	
<b>United Kingdom - Occupational Exposure Limits</b>	
Local name	Diethyl phthalate
WEL TWA (OEL TWA) [1]	5 mg/m <sup>3</sup>
WEL STEL (OEL STEL)	10 mg/m <sup>3</sup>
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

### 8.1.2. Recommended monitoring procedures

No additional information available

### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

No additional information available

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

No additional information available

### 8.2.2. Personal protection equipment

**Personal protective equipment:**

Avoid all unnecessary exposure.

**Personal protective equipment symbol(s):**



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### 8.2.2.1. Eye and face protection

#### Eye protection:

No special eye protection equipment recommended under normal conditions of use

### 8.2.2.2. Skin protection

No additional information available

### 8.2.2.3. Respiratory protection

No additional information available

### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Other information:

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Yellow.
Odour	: Odour relevant to fragrance. lemon-like.
Odour threshold	: No data available
pH	: 6.5 – 7.5
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

The product is stable at normal handling and storage conditions.

### 10.3. Possibility of hazardous reactions

Not established.

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### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

#### 1-propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs., hydroxides, inner salts 4 % < C ≤ 10 % (97862-59-4)

LD50 oral rat	> 4900 mg/kg
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#### 1,3-bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione (6440-58-0)

LD50 oral rat	1572 mg/kg
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#### formaldehyde ...% (50-00-0)

LD50 oral rat	100 mg/kg bodyweight
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LD50 dermal rabbit	270 mg/kg
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#### methanol (67-56-1)

LD50 oral rat	1187 – 2769 mg/kg
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LC50 Inhalation - Rat	115.9 – 130.7 mg/l/4h
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#### (R)-p-mentha-1,8-diene; d-limonene (5989-27-5)

LD50 oral rat	> 5000 mg/kg bodyweight
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#### ALPHA-PINENES (80-56-8)

LD50 oral rat	500 mg/kg bodyweight
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#### geranyl acetate (105-87-3)

LD50 oral rat	6330 mg/kg bodyweight
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LD50 dermal rabbit	> 6 ml/kg
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#### DIETHYL PHTHALATE (84-66-2)

LD50 oral rat	8600 mg/kg
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LD50 dermal	22.4 g/kg Guinea Pig
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#### alcohols, C12-14, ethoxylated (1-2.5 EO), sulphates, sodium salts <5% (68891-38-3)

LD50 oral rat	4100 mg/kg bodyweight
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LD50 dermal rat	> 2000 mg/kg bodyweight
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Skin corrosion/irritation : Not classified  
pH: 6.5 – 7.5

Additional information : Based on available data, the classification criteria are not met

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Serious eye damage/irritation	: Not classified pH: 6.5 – 7.5
Additional information	: Based on available data, the classification criteria are not met
Respiratory or skin sensitisation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met

### formaldehyde ...% (50-00-0)

IARC group	1 - Carcinogenic to humans
Reproductive toxicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-single exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met

### methanol (67-56-1)

STOT-single exposure	Causes damage to organs.
STOT-repeated exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met

### methanol (67-56-1)

LOAEL, subacute, oral, monkey	2340 mg/kg bw (3 days)
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### (R)-p-mentha-1,8-diene; d-limonene (5989-27-5)

NOAEL (subacute, oral, animal/male, 28 days)	825 mg/kg bodyweight
NOAEL (subacute, oral, animal/female, 28 days)	1650 mg/kg bodyweight
Aspiration hazard	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Potential adverse human health effects and symptoms	: Based on available data, the classification criteria are not met

## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

### 1-propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs., hydroxides, inner salts 4 % < C ≤ 10 % (97862-59-4)

LC50 - Fish [1]	1.11 mg/l
EC50 - Crustacea [1]	7
EC50 72h - Algae [1]	2.4 mg/l
NOEC chronic fish	0.16 mg/l

### formaldehyde ...% (50-00-0)

LC50 - Fish [1]	6.18 mg/l striped bass ( <i>Morone saxatilis</i> )
EC50 - Crustacea [1]	5.8 mg/l
EC50 72h - Algae [1]	3.48 mg/l

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<b>methanol (67-56-1)</b>	
LC50 - Fish [1]	15400 mg/l <i>Lepomis macrochirus</i> (Bluegill)
LC50 - Fish [2]	> 100 mg/l <i>Pimephales promelas</i> (Fat-head Minnow)
EC50 - Crustacea [1]	> 10000 mg/l
EC50 - Other aquatic organisms [1]	2500 mg/l <i>Crangon Crangon</i> (Common sand shrimp)
EC50 96h - Algae [1]	22000 mg/l <i>Selenastrum capricornutum</i>
EC50 96h - Algae [2]	16.912 mg/l Marinewater algae <i>Ulva pertusa</i>
NOEC chronic fish	15800 mg/l <i>Oryzias latipes</i> (Red killifish)
IC50, microorganisms, acute	20000 mg/l (15 Hours)
IC50, microorganisms, acute	> 1000 mg/l (3 Hours)
<b>TERPINOLENE (586-62-9)</b>	
LC50 - Fish [1]	0.805 mg/l
EC50 - Crustacea [1]	0.634 mg/l
EC50 72h - Algae [1]	0.692 mg/l
<b>(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)</b>	
LC50 - Fish [1]	0.72 mg/l Fathead minnows ( <i>Pimephales promelas</i> )
EC50 - Crustacea [1]	0.307 mg/l
EC50 72h - Algae [1]	0.32 mg/l
NOEC chronic fish	0.37 mg/l
NOEC chronic crustacea	0.153 mg/l
NOEC chronic algae	0.174 mg/l
<b>ALPHA-PINENES (80-56-8)</b>	
LC50 - Fish [1]	0.27 mg/l
<b>MYRCENE (123-35-3)</b>	
LC50 - Fish [1]	1.3 mg/l <i>Danio rerio</i>
EC50 - Crustacea [1]	1.47 mg/l
EC50 72h - Algae [1]	0.342 mg/l
<b>geranyl acetate (105-87-3)</b>	
LC50 - Fish [1]	68.12 mg/l
EC50 - Crustacea [1]	14.1 mg/l
EC50 72h - Algae [1]	3.72 mg/l
NOEC chronic algae	0.585 mg/l
<b>GERANYL FORMATE (105-86-2)</b>	
EC50 - Crustacea [1]	2.3 mg/l
EC50 72h - Algae [1]	0.23 mg/l
<b>DIETHYL PHTHALATE (84-66-2)</b>	
LC50 - Fish [1]	12 mg/l Rainbow trout
LC50 - Fish [2]	29 mg/l Sheephead minnow
EC50 - Crustacea [1]	90 mg/l

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<b>DIETHYL PHTHALATE (84-66-2)</b>	
EC50 72h - Algae [1]	45 mg/l
NOEC chronic fish	1.9 mg/l
NOEC chronic crustacea	43 mg/l
NOEC chronic algae	9 mg/l

<b>alcohols, C12-14, ethoxylated (1-2.5 EO), sulphates, sodium salts &lt;5% (68891-38-3)</b>	
LC50 - Fish [1]	7.1 mg/l Zebrafish (Danio rerio)
EC50 - Crustacea [1]	7.2 mg/l
EC50 72h - Algae [1]	27 mg/l
NOEC chronic algae	0.93 mg/l

### 12.2. Persistence and degradability

<b>Pumice Hand Scrub</b>	
Persistence and degradability	Not established.

<b>1-propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs., hydroxides, inner salts 4 % &lt; C ≤ 10 % (97862-59-4)</b>	
Persistence and degradability	Readily biodegradable.
Biodegradation	> 60 % (28 days)

<b>formaldehyde ...% (50-00-0)</b>	
Persistence and degradability	Readily biodegradable.

<b>methanol (67-56-1)</b>	
Persistence and degradability	Readily biodegradable.
Biochemical oxygen demand (BOD)	0.6 – 1.12 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	1.42 g O <sub>2</sub> /g substance
ThOD	1.5 g O <sub>2</sub> /g substance
BOD (% of ThOD)	0.8 % ThOD
Biodegradation	95 % 20 days

<b>(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)</b>	
Persistence and degradability	Readily biodegradable.
Biodegradation	80 % (28 days)

<b>geranyl acetate (105-87-3)</b>	
Persistence and degradability	Readily biodegradable.

<b>alcohols, C12-14, ethoxylated (1-2.5 EO), sulphates, sodium salts &lt;5% (68891-38-3)</b>	
Persistence and degradability	Readily biodegradable.

### 12.3. Bioaccumulative potential

<b>Pumice Hand Scrub</b>	
Bioaccumulative potential	Not established.

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formaldehyde ...% (50-00-0)	
Partition coefficient n-octanol/water (Log Pow)	0.35
Bioaccumulative potential	No bioaccumulation.
methanol (67-56-1)	
BCF - Fish [1]	< 10 Leuciscus idus (Golden orfe)
Partition coefficient n-octanol/water (Log Pow)	-0.74
Bioaccumulative potential	Low. Not expected to bioaccumulate due to the low log Kow (log Kow < 4).
(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)	
Partition coefficient n-octanol/water (Log Pow)	4.38
geranyl acetate (105-87-3)	
Bioaccumulative potential	Not established.
alcohols, C12-14, ethoxylated (1-2.5 EO), sulphates, sodium salts <5% (68891-38-3)	
Bioaccumulative potential	Bioaccumulation unlikely.

### 12.4. Mobility in soil

methanol (67-56-1)	
Surface tension	22.6 mN/m (20 °C)
Ecology - soil	Product adsorbs onto the soil.

### 12.5. Results of PBT and vPvB assessment

Component	
alcohols, C12-14, ethoxylated (1-2.5 EO), sulphates, sodium salts <5% (68891-38-3)	PBT: not relevant – no registration required
1-propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs., hydroxides, inner salts 4 % < C ≤ 10 % (97862-59-4)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)	PBT: not relevant – no registration required vPvB: not relevant – no registration required
geranyl acetate (105-87-3)	PBT: not relevant – no registration required vPvB: not relevant – no registration required
formaldehyde ...% (50-00-0)	PBT: not relevant – no registration required
methanol (67-56-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### 12.6. Other adverse effects

Additional information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.  
Ecology - waste materials : Avoid release to the environment.

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### SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.2. UN proper shipping name</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

### 14.6. Special precautions for user

#### Overland transport

Not applicable

#### Transport by sea

Not applicable

#### Air transport

Not applicable

#### Inland waterway transport

Not applicable

#### Rail transport

Not applicable

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

### SECTION 15: Regulatory information

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

##### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

##### 15.1.2. National regulations

No additional information available

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### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

### SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

#### Full text of H- and EUH-statements:

Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 3 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Carc. 1B	Carcinogenicity, Category 1B
EUH208	Contains (R)-p-mentha-1,8-diene; d-limonene(5989-27-5). May produce an allergic reaction.
EUH210	Safety data sheet available on request.
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Flam. Sol. 2	Flammable solids, Category 2
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H228	Flammable solid.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.

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Full text of H- and EUH-statements:	
H341	Suspected of causing genetic defects.
H350	May cause cancer.
H361	Suspected of damaging fertility or the unborn child.
H370	Causes damage to organs.
H371	May cause damage to organs.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
Muta. 2	Germ cell mutagenicity, Category 2
Repr. 2	Reproductive toxicity, Category 2
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B
STOT SE 1	Specific target organ toxicity — single exposure, Category 1
STOT SE 2	Specific target organ toxicity — Single exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.