

**Odourkill
L938**

Date of compilation: 16/01/2023 Revised: 14/08/2024 Version: 3 (Replaced 2)

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

- 1.1 Product identifier:** Odourkill
L938
- Other means of identification:**
MSK002/04
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
Relevant uses: Agents for neutralizing unpleasant odors
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:**
Nielsen Chemicals
Rawdon Road, Moira,
DE12 6DA, Swadlincote - Derbyshire - United Kingdom
Phone: 01283 222277
info@nielsenchemicals.com
www.nielsenchemicals.com
- 1.4 Emergency telephone number:** For 24/7 multilingual advice for spill, leak, fire, exposure, or accident Call CHEMTREC at +44 20 3885 0382 / +44 20 3807 3798 and provide CCN 1018675; NPIS: 0844 892 0111 (healthcare professionals only) or NHS 111.

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture:**
GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):
Classification of this product has been carried out in accordance with GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567).
Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Dam. 1: Serious eye damage, Category 1, H318
- 2.2 Label elements:**
GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):
Danger
- 
- Hazard statements:**
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
- Precautionary statements:**
P273: Avoid release to the environment.
P280: Wear protective gloves/eye protection.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER/doctor.
P501: Dispose of the contents/containers in accordance with the current legislation on waste treatment
- Supplementary information:**
EUH208: Contains 4-tert-butylcyclohexyl acetate, Cineole, Citrus aurantium, l, d-limonene, Methyl salicylate, Pin-2(3)-ene, P-mentha-1,4(8)-diene. May produce an allergic reaction.
- Substances that contribute to the classification**
Isotridecanol, ethoxylated (5 mol EO) (CAS: 69011-36-5)
- 2.3 Other hazards:**
Product does not meet PBT/vPvB criteria

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1 Substance:**
Non-applicable

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

3.2 Mixture:

Chemical description: Aqueous emulsion

Components:

In accordance with Annex II of The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020, the product contains:

Identification	Chemical name/Classification	Concentration
CAS: 69011-36-5	Isotridecanol, ethoxylated (5 mol EO) Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	3 - <10 %
CAS: 8000-41-7	Terpineol Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	1 - <3 %
CAS: 122-99-6	2-phenoxyethanol Acute Tox. 4: H302; Eye Dam. 1: H318; STOT SE 3: H335 - Danger	1 - <3 %
CAS: 5989-27-5	d-limonene Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Asp. Tox. 1: H304; Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Danger	<1 %
CAS: 68916-04-1	Citrus aurantium, l. Skin Sens. 1: H317 - Warning	<1 %
CAS: 119-36-8	Methyl salicylate Acute Tox. 4: H302; Aquatic Chronic 3: H412; Eye Dam. 1: H318; Repr. 2: H361d; Skin Sens. 1B: H317 - Danger	<1 %
CAS: 32210-23-4	4-tert-butylcyclohexyl acetate Skin Sens. 1B: H317 - Warning	<1 %
CAS: 586-62-9	P-mentha-1,4(8)-diene Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Asp. Tox. 1: H304; Skin Sens. 1B: H317 - Danger	<1 %
CAS: 470-82-6	Cineole Flam. Liq. 3: H226; Skin Sens. 1B: H317 - Warning	<1 %
CAS: 99-85-4	p-mentha-1,4-diene Asp. Tox. 1: H304; Flam. Liq. 3: H226; Repr. 2: H361 - Danger	<1 %
CAS: 80-56-8	Pin-2(3)-ene Acute Tox. 4: H302; 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	<1 %
CAS: 64-17-5	ethanol Eye Irrit. 2: H319; Flam. Liq. 2: H225 - Danger	<1 %
CAS: 101-84-8	Diphenyl ether Aquatic Acute 1: H400; Aquatic Chronic 3: H412; Eye Irrit. 2: H319 - Warning	<1 %

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

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:

Identification	Acute toxicity		Genus
	LD50 oral	LD50 dermal	
2-phenoxyethanol CAS: 122-99-6	LD50 oral	1394 mg/kg	Rat
	LD50 dermal	Not relevant	
	LC50 inhalation	Not relevant	
Methyl salicylate CAS: 119-36-8	LD50 oral	890 mg/kg	Rat
	LD50 dermal	Not relevant	
	LC50 inhalation	Not relevant	
Pin-2(3)-ene CAS: 80-56-8	LD50 oral	500 mg/kg	Rat
	LD50 dermal	Not relevant	
	LC50 inhalation	Not relevant	

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:

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SECTION 4: FIRST AID MEASURES (continued)

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:

This product is not classified as hazardous when in contact with the skin. However, in case of skin contact it is recommended to remove contaminated clothes and shoes, rinse the skin or if necessary shower the affected person thoroughly with cold water and neutral soap. In case of serious reaction consult a doctor.

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:

Not relevant

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,...).

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:****For non-emergency personnel:**

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. Remove 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.

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.

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SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

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.- 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

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 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

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.- Specific storage requirements

Minimum Temp.: 4 °C

Maximum Temp.: 40 °C

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 assessed in the workplace:

EH40/2005 Workplace exposure limits, fourth edition, published 2020:

Identification	Occupational exposure limits		
	WEL (8h)	1 ppm	7 mg/m ³
Diphenyl ether CAS: 101-84-8	WEL (15 min)	2 ppm	14 mg/m ³
ethanol CAS: 64-17-5	WEL (8h)	1000 ppm	1920 mg/m ³
	WEL (15 min)		

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Isotridecanol, ethoxylated (5 mol EO) CAS: 69011-36-5 EC: 500-241-6	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	2080 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	294 mg/m ³	Not relevant

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Terpineol CAS: 8000-41-7 EC: 232-268-1	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	6.36 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	44.8 mg/m ³	Not relevant
2-phenoxyethanol CAS: 122-99-6 EC: 204-589-7	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	20.83 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	5.7 mg/m ³	5.7 mg/m ³
d-limonene CAS: 5989-27-5 EC: 227-813-5	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	9.5 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	66.7 mg/m ³	Not relevant
Methyl salicylate CAS: 119-36-8 EC: 204-317-7	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	6 mg/kg	Not relevant
	Inhalation	285 mg/m ³	Not relevant	17.5 mg/m ³	Not relevant
P-mentha-1,4(8)-diene CAS: 586-62-9 EC: 209-578-0	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	0.52 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	3.6 mg/m ³	Not relevant
Cineole CAS: 470-82-6 EC: 207-431-5	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	2 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	7.05 mg/m ³	Not relevant
p-mentha-1,4-diene CAS: 99-85-4 EC: 202-794-6	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	0.833 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	2.939 mg/m ³	Not relevant
Pin-2(3)-ene CAS: 80-56-8 EC: 201-291-9	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	0.542 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	3.8 mg/m ³	Not relevant
ethanol CAS: 64-17-5 EC: 200-578-6	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	343 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	950 mg/m ³	Not relevant
Diphenyl ether CAS: 101-84-8 EC: 202-981-2	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	25 mg/kg	Not relevant
	Inhalation	Not relevant	14 mg/m ³	59 mg/m ³	7 mg/m ³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Isotridecanol, ethoxylated (5 mol EO) CAS: 69011-36-5 EC: 500-241-6	Oral	Not relevant	Not relevant	25 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	1250 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	87 mg/m ³	Not relevant
Terpineol CAS: 8000-41-7 EC: 232-268-1	Oral	Not relevant	Not relevant	2.69 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	2.69 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	7.96 mg/m ³	Not relevant
2-phenoxyethanol CAS: 122-99-6 EC: 204-589-7	Oral	9.23 mg/kg	Not relevant	9.23 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	10.42 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	2.41 mg/m ³	2.41 mg/m ³
d-limonene CAS: 5989-27-5 EC: 227-813-5	Oral	Not relevant	Not relevant	4.8 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	4.8 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	16.6 mg/m ³	Not relevant
Methyl salicylate CAS: 119-36-8 EC: 204-317-7	Oral	5 mg/kg	Not relevant	1 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	3 mg/kg	Not relevant
	Inhalation	213 mg/m ³	Not relevant	4 mg/m ³	Not relevant
P-mentha-1,4(8)-diene CAS: 586-62-9 EC: 209-578-0	Oral	Not relevant	Not relevant	0.26 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	0.26 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	0.9 mg/m ³	Not relevant

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Cineole CAS: 470-82-6 EC: 207-431-5	Oral	Not relevant	Not relevant	600 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	1 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	1.74 mg/m ³	Not relevant
p-mentha-1,4-diene CAS: 99-85-4 EC: 202-794-6	Oral	Not relevant	Not relevant	0.417 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	0.417 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	0.725 mg/m ³	Not relevant
Pin-2(3)-ene CAS: 80-56-8 EC: 201-291-9	Oral	Not relevant	Not relevant	0.225 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	0.225 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	0.674 mg/m ³	Not relevant
ethanol CAS: 64-17-5 EC: 200-578-6	Oral	Not relevant	Not relevant	87 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	206 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	114 mg/m ³	Not relevant

PNEC:

Identification					
Isotridecanol, ethoxylated (5 mol EO) CAS: 69011-36-5 EC: 500-241-6	STP	1.4 mg/L	Fresh water	0.074 mg/L	
	Soil	0.1 mg/kg	Marine water	0.007 mg/L	
	Intermittent	0.015 mg/L	Sediment (Fresh water)	0.604 mg/kg	
	Oral	Not relevant	Sediment (Marine water)	0.06 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	
2-phenoxyethanol CAS: 122-99-6 EC: 204-589-7	STP	36 mg/L	Fresh water	0.943 mg/L	
	Soil	1.31 mg/kg	Marine water	0.094 mg/L	
	Intermittent	3.44 mg/L	Sediment (Fresh water)	7.237 mg/kg	
	Oral	Not relevant	Sediment (Marine water)	0.724 mg/kg	
d-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	Not relevant	Sediment (Fresh water)	3.85 mg/kg	
	Oral	0.133 g/kg	Sediment (Marine water)	0.385 mg/kg	
Methyl salicylate CAS: 119-36-8 EC: 204-317-7	STP	140 mg/L	Fresh water	0.02 mg/L	
	Soil	0.35 mg/kg	Marine water	0.002 mg/L	
	Intermittent	0.2 mg/L	Sediment (Fresh water)	0.52 mg/kg	
	Oral	Not relevant	Sediment (Marine water)	0.052 mg/kg	
4-tert-butylcyclohexyl acetate CAS: 32210-23-4 EC: 250-954-9	STP	12.2 mg/L	Fresh water	0.0053 mg/L	
	Soil	0.42 mg/kg	Marine water	0.00053 mg/L	
	Intermittent	0.053 mg/L	Sediment (Fresh water)	2.01 mg/kg	
	Oral	0.06667 g/kg	Sediment (Marine water)	0.21 mg/kg	
P-mentha-1,4(8)-diene 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	
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	
p-mentha-1,4-diene CAS: 99-85-4 EC: 202-794-6	STP	10 mg/L	Fresh water	0.003 mg/L	
	Soil	0.423 mg/kg	Marine water	0 mg/L	
	Intermittent	Not relevant	Sediment (Fresh water)	0.49 mg/kg	
	Oral	Not relevant	Sediment (Marine water)	0.049 mg/kg	

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Identification				
Pin-2(3)-ene CAS: 80-56-8 EC: 201-291-9	STP	0.2 mg/L	Fresh water	0.000606 mg/L
	Soil	0.0317 mg/kg	Marine water	0.000061 mg/L
	Intermittent	0.00303 mg/L	Sediment (Fresh water)	0.157 mg/kg
	Oral	0.00876 g/kg	Sediment (Marine water)	0.0157 mg/kg
ethanol CAS: 64-17-5 EC: 200-578-6	STP	580 mg/L	Fresh water	0.96 mg/L
	Soil	0.63 mg/kg	Marine water	0.79 mg/L
	Intermittent	2.75 mg/L	Sediment (Fresh water)	3.6 mg/kg
	Oral	0.38 g/kg	Sediment (Marine water)	2.9 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	Not relevant	Sediment (Marine water)	0.009 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 <<UKCA marking>> or <<CE marking>>. 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

Pictogram	PPE	Remarks
 Compulsory use of face mask	Filter mask for particles (Filter type: FFP1)	Replace when an increase in resistance to breathing is observed.

C.- Specific protection for the hands

Pictogram	PPE	Remarks
 Mandatory hand protection	Protective gloves against minor risks (Material: Nitrile/Neoprene, Breakthrough time: > 480 min, Thickness: 0.062 mm, Conditions of use: Normal)	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 ISO 21420:2020 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.- Eye and face protection

Pictogram	PPE	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	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	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

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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:

Appearance:

Physical state at 20 °C: Liquid
 Appearance: Emulsion
 Colour: White
 Odour: Pleasant
 Odour threshold: Not relevant *

Volatility:

Boiling point at atmospheric pressure: 103 °C
 Vapour pressure at 20 °C: 2336 Pa
 Vapour pressure at 50 °C: 12308.25 Pa (12.31 kPa)
 Evaporation rate at 20 °C: Not relevant *

Product description:

Density at 20 °C: Not relevant *
 Relative density at 20 °C: 0.99 - 1
 Dynamic viscosity at 20 °C: Not relevant *
 Kinematic viscosity at 20 °C: Not relevant *
 Kinematic viscosity at 40 °C: >20.5 mm²/s
 Concentration: Not relevant *
 pH: 6 - 8.5 (at 100 %)
 Vapour density at 20 °C: Not relevant *
 Partition coefficient n-octanol/water 20 °C: Not relevant *
 Solubility in water at 20 °C: Not relevant *
 Solubility properties: Highly water-soluble
 Decomposition temperature: Not relevant *
 Melting point/freezing point: Not relevant *

Flammability:

Flash Point: Non Flammable (>60 °C)
 Flammability (solid, gas): Not relevant *
 Autoignition temperature: 202 °C
 Lower flammability limit: Not relevant *
 Upper flammability limit: Not relevant *

Particle characteristics:

Median equivalent diameter: 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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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Information with regard to physical hazard classes:

Explosive properties:	Not relevant *
Oxidising properties:	Not relevant *
Corrosive to metals:	Not relevant *
Heat of combustion:	Not relevant *
Aerosols-total percentage (by mass) of flammable components:	Not relevant *

Other safety characteristics:

Surface tension at 20 °C:	Not relevant *
Refraction index:	Not relevant *

*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 from Safety Data Sheet.

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 toxicological effects:

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

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: 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.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain 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):

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
- Contact with the eyes: Produces serious 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.
- 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: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

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:

Not relevant

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
	LD50 oral	LD50 dermal	
Terpineol CAS: 8000-41-7	LD50 oral	4300 mg/kg	
	LD50 dermal	>5000 mg/kg	
	LC50 inhalation	>20 mg/L	
Isotridecanol, ethoxylated (5 mol EO) CAS: 69011-36-5	LD50 oral	>5000 mg/kg	
	LD50 dermal	>5000 mg/kg	
	LC50 inhalation	>20 mg/L	
2-phenoxyethanol CAS: 122-99-6	LD50 oral	1394 mg/kg (ATEi)	Rat
	LD50 dermal	>5000 mg/kg	
	LC50 inhalation	>20 mg/L	
d-limonene CAS: 5989-27-5	LD50 oral	4400 mg/kg	Rat
	LD50 dermal	>5000 mg/kg	Rabbit
	LC50 inhalation	>20 mg/L	
Citrus aurantium, l. CAS: 68916-04-1	LD50 oral	>5000 mg/kg	
	LD50 dermal	>5000 mg/kg	
	LC50 inhalation	>20 mg/L	
Methyl salicylate CAS: 119-36-8	LD50 oral	890 mg/kg	Rat
	LD50 dermal	>5000 mg/kg	
	LC50 inhalation	>20 mg/L	
4-tert-butylcyclohexyl acetate CAS: 32210-23-4	LD50 oral	3370 mg/kg	
	LD50 dermal	>5000 mg/kg	
	LC50 inhalation	>20 mg/L	

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
P-mentha-1,4(8)-diene CAS: 586-62-9	LD50 oral	>5000 mg/kg	
	LD50 dermal	>5000 mg/kg	
	LC50 inhalation	>20 mg/L	
Cineole CAS: 470-82-6	LD50 oral	2480 mg/kg	Rat
	LD50 dermal	>5000 mg/kg	
	LC50 inhalation	>20 mg/L	
p-mentha-1,4-diene CAS: 99-85-4	LD50 oral	3850 mg/kg	Rat
	LD50 dermal	>5000 mg/kg	
	LC50 inhalation	>20 mg/L	
Pin-2(3)-ene CAS: 80-56-8	LD50 oral	500 mg/kg	Rat
	LD50 dermal	>5000 mg/kg	
	LC50 inhalation	>20 mg/L	
ethanol CAS: 64-17-5	LD50 oral	6200 mg/kg	Rat
	LD50 dermal	20000 mg/kg	Rabbit
	LC50 inhalation	124.7 mg/L (4 h)	Rat
Diphenyl ether CAS: 101-84-8	LD50 oral	>5000 mg/kg	Rat
	LD50 dermal	7940 mg/kg	Rabbit
	LC50 inhalation	>5 mg/L	

SECTION 12: ECOLOGICAL INFORMATION

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

Harmful to aquatic life with long lasting effects.

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Isotridecanol, ethoxylated (5 mol EO) CAS: 69011-36-5	LC50	>10 - 100 mg/L (96 h)		Fish
	EC50	>10 - 100 mg/L (48 h)		Crustacean
	EC50	>10 - 100 mg/L (72 h)		Algae
2-phenoxyethanol CAS: 122-99-6	LC50	344 mg/L (96 h)	Pimephales promelas	Fish
	EC50	488 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	443 mg/L (72 h)	Scenedesmus subspicatus	Algae
d-limonene CAS: 5989-27-5	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
Methyl salicylate CAS: 119-36-8	LC50	Not relevant		
	EC50	50 mg/L (24 h)	Daphnia magna	Crustacean
	EC50	Not relevant		
P-mentha-1,4(8)-diene CAS: 586-62-9	LC50	0.8 mg/L (96 h)	Danio rerio	Fish
	EC50	0.63 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	0.7 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
Pin-2(3)-ene CAS: 80-56-8	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
ethanol CAS: 64-17-5	LC50	11000 mg/L (96 h)	Alburnus alburnus	Fish
	EC50	9268 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	1450 mg/L (192 h)	Microcystis aeruginosa	Algae
Diphenyl ether CAS: 101-84-8	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

Chronic toxicity:

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration	Species	Genus
2-phenoxyethanol CAS: 122-99-6	NOEC 23 mg/L	Pimephales promelas	Fish
	NOEC 9.43 mg/L	Daphnia magna	Crustacean
Citrus aurantium, l. CAS: 68916-04-1	NOEC Not relevant		
	NOEC 0.48 mg/L	Daphnia magna	Crustacean
ethanol CAS: 64-17-5	NOEC 250 mg/L	Danio rerio	Fish
	NOEC 2 mg/L	Ceriodaphnia dubia	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability	Biodegradability
2-phenoxyethanol CAS: 122-99-6	BOD5 Not relevant	Concentration 20 mg/L
	COD Not relevant	Period 3 days
	BOD5/COD Not relevant	% Biodegradable 93 %
d-limonene CAS: 5989-27-5	BOD5 Not relevant	Concentration 10 mg/L
	COD Not relevant	Period 28 days
	BOD5/COD Not relevant	% Biodegradable 71.4 %
Methyl salicylate CAS: 119-36-8	BOD5 Not relevant	Concentration 10 mg/L
	COD Not relevant	Period 28 days
	BOD5/COD Not relevant	% Biodegradable 98.4 %
P-mentha-1,4(8)-diene CAS: 586-62-9	BOD5 Not relevant	Concentration 2 mg/L
	COD Not relevant	Period 28 days
	BOD5/COD Not relevant	% Biodegradable 81 %
p-mentha-1,4-diene CAS: 99-85-4	BOD5 Not relevant	Concentration Not relevant
	COD Not relevant	Period 28 days
	BOD5/COD Not relevant	% Biodegradable 27 %
Pin-2(3)-ene CAS: 80-56-8	BOD5 Not relevant	Concentration 100 mg/L
	COD Not relevant	Period 28 days
	BOD5/COD Not relevant	% Biodegradable 95 %
ethanol CAS: 64-17-5	BOD5 Not relevant	Concentration 100 mg/L
	COD Not relevant	Period 14 days
	BOD5/COD Not relevant	% Biodegradable 89 %
Diphenyl ether CAS: 101-84-8	BOD5 Not relevant	Concentration 5.6 mg/L
	COD Not relevant	Period 20 days
	BOD5/COD Not relevant	% Biodegradable 76 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential
2-phenoxyethanol CAS: 122-99-6	BCF 5
	Pow Log 1.13
	Potential Low
d-limonene CAS: 5989-27-5	BCF 660
	Pow Log 4.83
	Potential High
Methyl salicylate CAS: 119-36-8	BCF 4
	Pow Log 2.55
	Potential Low
P-mentha-1,4(8)-diene CAS: 586-62-9	BCF 334
	Pow Log 4.29
	Potential High
Cineole CAS: 470-82-6	BCF
	Pow Log 2.74
	Potential

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Bioaccumulation potential	
	BCF	Pow Log
Pin-2(3)-ene CAS: 80-56-8	2800	4.83
	Potential	Very High
ethanol CAS: 64-17-5	3	-0.31
	Potential	Low
Diphenyl ether CAS: 101-84-8	196	4.21
	Potential	High

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
	Koc	Conclusion	Henry	Surface tension
2-phenoxyethanol CAS: 122-99-6	41	Very High	1.57E-3 Pa·m ³ /mol	No
	Surface tension	Not relevant	Dry soil	No
d-limonene CAS: 5989-27-5	6324	Immobile	Not relevant	Not relevant
	Surface tension	2.675E-2 N/m (25 °C)	Dry soil	Not relevant
Methyl salicylate CAS: 119-36-8	222	High	4.76 Pa·m ³ /mol	Not relevant
	Surface tension	4.004E-2 N/m (25 °C)	Dry soil	Not relevant
P-mentha-1,4(8)-diene CAS: 586-62-9	1120	Low	Not relevant	Not relevant
	Surface tension	2.865E-2 N/m (25 °C)	Dry soil	Not relevant
Cineole CAS: 470-82-6	Not relevant	Not relevant	Not relevant	Not relevant
	Surface tension	3.24E-2 N/m (25 °C)	Dry soil	Not relevant
p-mentha-1,4-diene CAS: 99-85-4	8038	Immobile	Not relevant	Not relevant
	Surface tension	2.991E-2 N/m (25 °C)	Dry soil	Not relevant
Pin-2(3)-ene CAS: 80-56-8	Not relevant	Not relevant	Not relevant	Not relevant
	Surface tension	2.587E-2 N/m (25 °C)	Dry soil	Not relevant
ethanol CAS: 64-17-5	1	Very High	4.61E-1 Pa·m ³ /mol	Yes
	Surface tension	2.339E-2 N/m (25 °C)	Dry soil	Yes
Diphenyl ether CAS: 101-84-8	1960	Low	Not relevant	Not relevant
	Surface tension	1.753E-2 N/m (258.4 °C)	Dry soil	Not relevant

Highly water-soluble

12.5 Results of PBT and vPvB assessment:

Product does not meet PBT/vPvB criteria

12.6 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Type of waste:

HP14 Ecotoxic

Waste management (disposal and evaluation):

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SECTION 13: DISPOSAL CONSIDERATIONS (continued)

Consult the authorized waste service manager on the assessment and disposal operations in accordance The Waste (England & Wales) Regulations 2011, 2011 No. 988. As under 15 01 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-hazardous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of UK REACH the provisions related to waste management are stated:

UK legislation: The Waste (England & Wales) Regulations 2011.

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:

- Substances listed in UK candidate list of substances of very high concern (SVHCs): Not relevant
- Substances listed in UK REACH Authorisation List (Annex 14): Not relevant

Restrictions to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII UK 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 REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.
Control of Substances Hazardous to Health Regulations 2002 (as amended)
EH40/2005 Workplace exposure limits.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II-The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

Texts of the legislative phrases mentioned in section 2:

H318: Causes serious eye damage.
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

GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):

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SECTION 16: OTHER INFORMATION (continued)

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 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. 2: H225 - Highly flammable liquid and vapour.
Flam. Liq. 3: H226 - Flammable liquid and vapour.
Repr. 2: H361 - Suspected of damaging fertility or the unborn child.
Repr. 2: H361d - Suspected of damaging the unborn child.
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.
STOT SE 3: H335 - May cause respiratory irritation.

Classification procedure:

Eye Dam. 1: Calculation method
Aquatic Chronic 3: Calculation method

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 UK, 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 -