




Material Safety Data Sheet

EU Regulation: 1907/2006

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

1.1 PRODUCT IDENTIFICATION					
PRODUCT NAME	SPEARMINT, ESSENTIAL OIL				
BIOLOGICAL DEFINITION	MENTHA SPICATA OIL IS AN ESSENTIAL OIL OBTAINED FROM THE HERBS OF THE SPEARMINT, MENTHA SPICATA L., LABIATAE (SYN: MENTHA VIRIDIS L., LABIATAE).				
INCI NAME	MENTHA SPICATA HERB OIL.				
SYNONYMS & TRADE NAMES	-				
INTERNAL PRODUCT CODE	K0432				
CAS-No	84696-51-5	EC No.	283-656-2	EINECS No.	283-656-2
1.2 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET					
COMPANY ADDRESS	YouWish Venserweg 21M, 1112 AR Diemen, The Netherlands.				
EMAIL	contact@youwish.nl				
1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET					
EMERGENCY CONTACTS	+31 6 83295085				

SECTION 2: HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE	THE FULL TEXT FOR ALL HAZARD STATEMENTS IS DISPLAYED IN SECTION 16.
CLASSIFICATION (67/548/EEC)	THE FULL TEXT FOR ALL R-PHRASES AND HAZARD STATEMENTS ARE DISPLAYED IN SECTION 16.
CLASSIFICATION (EU1272/2008)	PHYSICAL HAZARDS: NOT CLASSIFIED HEALTH HAZARDS: ASP. TOX. 1 - H304, SKIN IRRIT. 2 - H315, SKIN SENS. 1B - H317 ENVIRONMENTAL HAZARDS: AQUATIC CHRONIC 2 - H411 *SEE SECTION 16 FOR OTHER INFORMATION ON PRODUCT CLASSIFICATION.
2.2 LABEL ELEMENTS	LABEL IN ACCORDANCE WITH REGULATION (EC) NO 1272/2008.
GHS LABEL	   <p>GHS07 GHS08 GHS09</p>
SIGNAL WORD	DANGER.
CONTAINS	D-LIMONENE, MYRCENE, BETA-PINENE, ALPHA-PINENE.
HAZARDS STATEMENT	H304 MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS. H315 CAUSES SKIN IRRITATION. H317 MAY CAUSE AN ALLERGIC SKIN REACTION. H411 TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.
PRECAUTIONARY STATEMENTS	P273 AVOID RELEASE INTO THE ENVIRONMENT. P280 WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION. P301+P310 IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER/DOCTOR. P302+P352 IF ON SKIN: WASH WITH PLENTY OF WATER. P331 DO NOT INDUCE VOMITING. P333+P313 IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ATTENTION. P362+P364 TAKE OFF CONTAMINATED CLOTHING. AND WASH IT BEFORE REUSE. P391 COLLECT SPILLAGE. P501 DISPOSE OF CONTENTS IN ACCORDANCE WITH LOCAL, STATE OR NATIONAL LEGISLATION.
SUPPLEMENTARY PRECAUTIONARY STATEMENTS	P264 WASH HANDS AND EXPOSED SKIN THOROUGHLY AFTER HANDLING.

SECTION 16 (OTHER INFORMATION): RISK & SAFETY PHRASES IN FULL.

2.3 OTHER HAZARDS	
ADVERSE PHYSIO-CHEMICAL PROPERTIES	NO ADDITIONAL DATA AVAILABLE.
ADVERSE EFFECTS ON HUMAN HEALTH	NO ADDITIONAL DATA AVAILABLE.
PBT OR vPVB ACCORDING TO ANNEX XIII	PRODUCT IS NOT PBTOR vPVB.

SECTION 3: COMPOSITION OF INGREDIENTS

3.2 SUBSTANCE	<p>≤ 65.0% L-CARVONE CAS No: 6485-40-1 EC No: 229-352-5 CLASSIFICATION (EC 1272/2008) SKIN SENS. 1 - H317</p> <p>≤ 25% D-LIMONENE CAS No: 5989-27-5 EC No: 227-813-5 CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 - H226, ASP. TOX. 1 - H304, SKIN IRRIT. 2 - H315, SKIN SENS. 1 - H317, AQUATIC ACUTE 1 - H400, AQUATIC CHRONIC 1 - H410</p> <p>≤ 10% MYRCENE CAS No: 123-35-3 EC No: 204-622-5 CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 - H226, ASP. TOX. 1 - H304, SKIN IRRIT. 2 - H315, EYE IRRIT. 2 - H319, AQUATIC ACUTE 1 - H400, AQUATIC CHRONIC 2 - H411</p>
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≤ 10% BETA-PINENE CAS NO: 127-91-3 EC NO: 204-872-5
 CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 - H226, ASP. TOX. 1 - H304, SKIN IRRIT. 2 - H315,
 SKIN SENS. 1 - H317, AQUATIC ACUTE 1 - H400, AQUATIC CHRONIC 1 - H410

≤ 10% MENTHOL CAS NO: 2216-51-5 EC NO: 218-690-9
 CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2 - H315, EYE IRRIT. 2 - H319

≤ 10% ALPHA-TERPINEOL CAS NO: 98-55-5 EC NO: 202-680-6
 CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2 - H315, EYE IRRIT. 2 - H319

≤ 10% DL-MENTHONE CAS NO: 10458-14-7 EC NO: 233-944-9
 CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 - H226, SKIN IRRIT. 2 - H315, SKIN SENS. 1 - H317,
 AQUATIC CHRONIC 3 - H412

≤ 1% 3-OCTANOL CAS NO: 589-98-0 EC NO: 209-667-4
 CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2 - H315, EYE IRRIT. 2 - H319

≤ 1% ALPHA-PINENE CAS NO: 80-56-8 EC NO: 201-291-9
 CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 - H226, ACUTE TOX. 4 - H302, ASP. TOX. 1 - H304,
 SKIN IRRIT. 2 - H315, SKIN SENS. 1 - H317, AQUATIC ACUTE 1 - H400, AQUATIC CHRONIC 1 - H410

≤ 1% PARA-CYMENE CAS NO: 99-87-6 EC NO: 202-796-7
 CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 - H226, ASP. TOX. 1 - H304, REPR. 2 - H361,
 AQUATIC CHRONIC 2 - H411

≤ 1% BETA-CARYOPHYLLENE CAS NO: 87-44-5 EC NO: 201-746-1
 CLASSIFICATION (EC 1272/2008) ASP. TOX. 1 - H304, SKIN SENS. 1B - H317

≤ 1% SABINENE CAS NO: 3387-41-5 EC NO: 222-212-4
 CLASSIFICATION (EC 1272/2008) ACUTE TOX. 4 - H302

≤ 1% GAMMA-TERPINENE CAS NO: 99-85-4 EC NO: 202-794-6
 CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 - H226, REPR. 2 - H361, AQUATIC CHRONIC 2 - H411

≤ 1% ALPHA-TERPINENE CAS NO: 99-86-5 EC NO: 202-795-1
 CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 - H226, ACUTE TOX. 4 - H302, SKIN SENS. 1B - H317,
 EYE IRRIT. 2 - H319, AQUATIC CHRONIC 2 - H411

≤ 0.1% ALPHA-PHELLANDRENE CAS NO: 99-83-2 EC NO: 202-792-5
 CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 - H226, ASP. TOX. 1 - H304

≤ 0.1% TERPINEN-4-OL CAS NO: 562-74-3 EC NO: 209-235-5
 CLASSIFICATION (EC 1272/2008) ACUTE TOX. 4 - H302, SKIN IRRIT. 2 - H315, SKIN SENS. 1 - H317,
 EYE IRRIT. 2 - H319, STOT SE 3 - H336

≤ 0.1% TRANS BETA-OCIMENE CAS NO: 3779-61-1 EC NO: 223-241-5
 CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 - H226, ASP. TOX. 1 - H304, SKIN IRRIT. 2 - H315,
 AQUATIC ACUTE 1 - H400, AQUATIC CHRONIC 2 - H411

≤ 0.1% TRANS BETA-FARNESENE CAS NO: 18794-84-8 EC NO: 242-582-0
 CLASSIFICATION (EC 1272/2008) ASP. TOX. 1 - H304

≤ 0.1% TERPINOLENE CAS NO: 586-62-9 EC NO: 209-578-0
 CLASSIFICATION (EC 1272/2008) ASP. TOX. 1 - H304, SKIN SENS. 1B - H317, AQUATIC ACUTE 1 - H400,
 AQUATIC CHRONIC 1 - H410

≤ 0.1% CAMPHENE CAS NO: 79-92-5 EC NO: 201-234-8
 CLASSIFICATION (EC 1272/2008) FLAM. SOL. 1 - H228, EYE IRRIT. 2 - H319, AQUATIC ACUTE 1 - H400,
 AQUATIC CHRONIC 1 - H410

	<p>≤ 0.05% EUGENOL CAS NO: 97-53-0 EC No: 202-589-1 CLASSIFICATION (EC 1272/2008) SKIN SENS. 1B - H317, EYE IRRIT. 2 - H319</p> <p>≤ 0.1% LINALYL ACETATE CAS NO: 115-95-7 EC No: 204-116-4 CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2 - H315, SKIN SENS. 1B - H317, EYE IRRIT. 2 - H319</p> <p>≤ 0.1% CIS-3-HEXENOL CAS NO: 928-96-1 EC No: 213-192-8 CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 - H226, EYE IRRIT. 2 H319</p>
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SECTION 4: FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES	
GENERAL INFORMATION	ALWAYS REMOVE CONTAMINATED CLOTHING IMMEDIATELY.
INHALATION	GET MEDICAL ATTENTION IMMEDIATELY. REMOVE FROM EXPOSURE SITE TO FRESH AIR, KEEP AT REST, AND OBTAIN MEDICAL ATTENTION.
INGESTION	GET MEDICAL ATTENTION IMMEDIATELY. RINSE MOUTH WITH WATER AND OBTAIN MEDICAL ATTENTION. DRINK 1 OR 2 CUPS OF WATER.
SKIN CONTACT	REMOVE CONTAMINATED CLOTHING IMMEDIATELY AND WASH SKIN WITH SOAP AND WATER. GET MEDICAL ADVICE/ATTENTION IF ANY DISCOMFORT CONTINUES. WASH CONTAMINATED CLOTHING BEFORE RE-USE.
EYE CONTACT	IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR UP TO 15 MINUTES. REMOVE ANY CONTACT LENSES IF PRESENT AND EASY TO DO AND OPEN EYES WIDE APART. GET MEDICAL ADVICE/ATTENTION. CONTINUE TO RINSE.
4.2 MOST IMPORTANT SYMPTOMS & EFFECTS (ACUTE & DELAYED)	NONE KNOWN.
4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION OR SPECIAL TREATMENT REQUIRED	TREAT SYMPTOMATICALLY.

SECTION 5: FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MATERIAL	FOAM, CO2, DRY CHEMICAL POWDER.
5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE	KEEP PRODUCT AND EMPTY CONTAINER AWAY FROM HEAT AND SOURCES OF IGNITION RISK OF IGNITION. A FIRE WILL OFTEN PRODUCE A THICK BLACK SMOKE. EXPOSURE TO DECOMPOSITION PRODUCTS MAY BE HAZARDOUS TO HEALTH. DO NOT BREATHE IN SMOKE. THERMAL DECOMPOSITION OR COMBUSTION PRODUCTS MAY INCLUDE THE FOLLOWING SUBSTANCES: CARBON DIOXIDE (CO2), CARBON MONOXIDE (CO), OTHER TOXIC GASES. CONTAINERS CLOSE TO FIRE SHOULD BE REMOVED OR COOLED WITH WATER.
5.3 ADVICE FOR FIRE-FIGHTERS	SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS: WEAR POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS (SCBA) AND APPROPRIATE PROTECTIVE CLOTHING.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS	AVOID CONTACT WITH EYES AND SKIN. ENSURE ADEQUATE VENTILATION, ESPECIALLY IN CONFINED AREAS. WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING AND EYE/FACE PROTECTION. WASH THOROUGHLY AFTER HANDLING. USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED. REMOVE ALL SOURCES OF IGNITION. EVACUATE PERSONNEL TO SAFE AREAS. KEEP PEOPLE AWAY FROM AND UPWIND OF SPILL/LEAK. PAY ATTENTION TO FLASHBACK. TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGES.
6.2 ENVIRONMENTAL PRECAUTIONS	DO NOT DISCHARGE INTO DRAINS, WATER COURSES OR ONTO THE GROUND. DISPOSE OF IN LINE WITH LOCAL AUTHORITY GUIDELINES.
6.3 METHODS & MATERIAL FOR CONTAINMENT AND CLEANING UP	ABSORB WITH LIQUID BINDING MATERIAL E.G. SAND, DIATOMACEOUS EARTH, VERMICULITE. TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGES. COLLECT IN CLOSED AND SUITABLE CONTAINERS FOR DISPOSAL IN ACCORDANCE WITH LOCAL, STATE OR NATIONAL LEGISLATION. PREVENT ANY MATERIAL FROM ENTERING DRAINS OR WATERWAYS. WASH SPILL SITE AFTER REMOVAL WITH A DETERGENT.
6.4 REFERENCES TO OTHER SECTIONS	REFER & CONSIDER SECTIONS 7, 8 & 13.

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SECTION 7: HANDLING & STORAGE

7.1 PRECAUTIONS FOR SAFE-HANDLING

AVOID CONTACT WITH SKIN, EYES AND CLOTHING. REMOVE AND WASH CONTAMINATED CLOTHING BEFORE RE-USE. DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT. WEAR PERSONAL PROTECTIVE EQUIPMENT. DO NOT BREATHE VAPOURS OR SPRAY MIST. USE ONLY IN AREA PROVIDED WITH ADEQUATE VENTILATION.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

KEEP THE PRODUCT CONTAINER TIGHTLY CLOSED, IN A DRY, VENTILATED AREA. KEEP AWAY FROM POTENTIAL SOURCES OF IGNITION AND PROTECTED FROM LIGHT. MAINTAIN LIMITED CONTACT WITH OXYGEN.

7.3 SPECIFIC END USE(S)

NO DATA.

SECTION 8: EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

<i>Chemical Name</i>	<i>European Union</i>	<i>United Kingdom</i>	<i>France</i>	<i>Spain</i>	<i>Germany</i>
<i>l-Limonene</i> 5989-54-8	-	-	TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	-	-
<i>Myrcene</i> 123-35-3	-	-	TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	-	-
<i>beta-Pinene</i> 127-91-3	-	-	TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	TWA: 20 ppm TWA: 113 mg/m ³	-
<i>alpha-Pinene</i> 80-56-8	-	-	TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	TWA: 20 ppm TWA: 113 mg/m ³	-
<i>para-Cymene</i> 99-87-6	-	-	TWA: 150 mg/m ³ TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	-	-
<i>Sabinene</i> 3387-41-5	-	-	TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	-	-
<i>gamma-Terpinene</i> 99-85-4	-	-	TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	-	-
<i>alpha-Terpinene</i> 99-86-5	-	-	TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	-	-
<i>alpha-Phellandrene</i> 99-83-2	-	-	TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	-	-
<i>trans beta-Ocimene</i> 3779-61-1	-	-	TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	-	-

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<i>Terpinolene</i> 586-62-9	-	-	TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	-	-
<i>Camphene</i> 79-92-5	-	-	TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	-	-
Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark
<i>beta-Pinene</i> 127-91-3	-	TWA: 20 ppm	-	-	-
<i>alpha-Pinene</i> 80-56-8	-	TWA: 20 ppm	-	-	-
<i>para-Cymene</i> 99-87-6	-	-	-	-	TWA: 25 ppm TWA: 135 mg/m ³
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
<i>l-Limonene</i> 5989-54-8	-	-	-	TWA: 25 ppm TWA: 140 mg/m ³ STEL: 37.5 ppm STEL: 175 mg/m ³	-
<i>Myrcene</i> 123-35-3	-	-	-	TWA: 40 ppm TWA: 275 mg/m ³ STEL: 60 ppm STEL: 343.75 mg/m ³	-
<i>beta-Pinene</i> 127-91-3	-	Skin STEL: 40 ppm STEL: 224 mg/m ³ TWA: 20 ppm TWA: 112 mg/m ³	-	TWA: 25 ppm TWA: 140 mg/m ³ STEL: 37.5 ppm STEL: 175 mg/m ³	-
<i>alpha-Pinene</i> 80-56-8		Skin STEL: 40 ppm STEL: 224 mg/m ³ TWA: 20 ppm TWA: 112 mg/m ³		TWA: 25 ppm TWA: 140 mg/m ³ Skin STEL: 37.5 ppm STEL: 175 mg/m ³	
<i>Camphene</i> 79-92-5		Skin STEL: 40 ppm STEL: 224 mg/m ³ TWA: 20 ppm TWA: 112 mg/m ³			

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	Derived No Effect Level (DNEL)	Workers
	dermal	1.84 mg/kg bw/day
	Inhalation	6.48 mg/m ³
	Derived No Effect Level (DNEL)	General Population
	oral	1.1 mg/kg bw/day
	dermal	1.1 mg/kg bw/day
	Inhalation	1.92 mg/m ³
	Predicted No Effect Concentration (PNEC)	
	Fresh Water	6.1 µg/L
	Sea Water	0.61 µg/L
	Sea sediment	0.019 mg/kg sediment dw
	Soil	0.035 mg/kg soil dw
	Impact on Sewage Treatment	10 mg/L

8.2

EXPOSURE CONTROLS



EYE PROTECTION	WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION.
HAND PROTECTION	WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION.
RESPIRATORY EQUIPMENT	GENERALLY UNNECESSARY IN A WELL VENTILATED AREA. IF VENTILATION IS INSUFFICIENT, RESPIRATORY PROTECTION MUST BE WORN.
HYGIENE MEASURES	GOOD PERSONAL HYGIENE PRACTICES ARE ALWAYS ADVISABLE, ESPECIALLY WHEN WORKING WITH CHEMICALS / OILS.
ENGINEERING MEASURES	PROVIDE ADEQUATE VENTILATION, EYEWASH STATION AND SHOWERS.
SKIN PROTECTION	WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT SKIN CONTACT. WORK CLOTHING WORN BY PERSONNEL SHALL BE LAUNDERED REGULARLY. AFTER CONTACT WITH THE PRODUCT, ALL PARTS OF THE BODY THAT HAVE BEEN EXPOSED MUST BE WASHED THOROUGHLY.
PERSONAL PROTECTION	USE OF CHEMICAL RESISTANT CLOTHING IS RECOMMENDED WHEN HANDLING.
OTHER PROTECTION	WEAR SUITABLE PROTECTION TO AVOID CONTACT WITH SKIN AND EYES. DO NOT INHALE VAPOURS.
PROCESS CONDITIONS	ENSURE AREA IS WELL VENTILATED. AVOID VAPOUR INHALATION. SAFETY SHOWER & EYE BATH.
ENVIROMENTAL EXPOSURE CONTROLS	AVOID DISCHARGING INTO DRAINAGE WATER. ONLY ELIMINATE BY AUTHORISED AUTHORITIES.

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SECTION 9: PHYSICAL & CHEMICAL PROPERTIES	
9.1 PHYSICAL & CHEMICAL PROPERTIES	
APPEARANCE	LIQUID
COLOUR	COLOURLESS – GREEN/ YELLOW
ODOUR	CHARACTERISTIC
RELATIVE DENSITY	APPROX. 0.924 @ 20°C.
FLASH POINT (°C)	63°C
REFRACTIVE INDEX @ 20 °C	APPROX. 1.488 @ 20°C.
SOLUBILITY IN WATER @ 20 °C	47.2 MG/L @ 14°C
9.2 OTHER INFORMATION	MELTING POINT (°C): 10.0 °C BOILING POINT (°C): 101 °C AT 101 325 PA VAPOUR PRESSURE: 0.015 KPA @ 25°C
SECTION 10: STABILITY & REACTIVITY	
10.1 REACTIVITY	NO HAZARDOUS REACTIONS IF STORED AND HANDLED AS PRESCRIBED / INDICATED.
10.2 CHEMICAL STABILITY	STABLE UNDER THE RECOMMENDED HANDLING AND STORAGE CONDITIONS IN SECTION 7.
10.3 POSSIBILITY OF HAZARDOUS REACTIONS	NOT EXPECTED UNDER NORMAL CONDITIONS OF USE.
10.4 CONDITIONS TO AVOID	STORAGE AT HIGH TEMPERATURES. DO NOT STORE ABOVE 15°C.
10.5 INCOMPATIBLE MATERIALS	AVOID CONTACT WITH STRONG ACIDS, ALKALIS OR OXIDISING AGENTS
10.6 HAZARDOUS DECOMPOSITION PRODUCTS	NOT EXPECTED UNDER NORMAL TEMPERATURE CONDITIONS AND RECOMMENDED USE. THERMAL DECOMPOSITION MAY RELEASE/FORM OXIDES OF CARBON (CARBON MONOXIDE, CARBON DIOXIDE) AND OTHER TOXIC GASES.

SECTION 11: TOXICOLOGICAL INFORMATION	
11.1 TOXICOLOGICAL EFFECTS	
ACUTE TOXICITY	NO DATA.
SKIN IRRITATION	CAUSES SKIN IRRITATION.
EYE DAMAGE OR IRRITATION	BASED ON REACH DATA SPEARMINT OIL DOES NOT NEED TO BE CLASSIFIED AS AN EYE IRRITANT, IN ACCORDANCE WITH THE CRITERIA OUTLINED IN ANNEX I OF CLP (1272/2008/EC).
RESPIRATORY OR SKIN SENSITIVITY	MAY CAUSE AN ALLERGIC SKIN REACTION.
GERM CELL MUTAGENICITY	NOT CLASSIFIED.
CARCINOGENICITY	NOT CLASSIFIED.
REPRODUCTIVE TOXICITY	NOT CLASSIFIED. HOWEVER, PRODUCT DOES CONTAIN SUBSTANCES SUSPECTED OF DAMAGING FERTILITY

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	OR THE UNBORN CHILD (PARA-CYMENE <1.0% AND GAMMA-TERPINENE<1.0%)
STOT – SINGLE EXPOSURE	NOT CLASSIFIED.
STOT – REPEATED EXPOSURE	NOT CLASSIFIED.
ASPIRATION HAZARD	MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.
OTHER INFORMATION	NO DATA.

SECTION 12: ECOLOGICAL INFORMATION



12.1 TOXICITY	<p>BASED ON REACH DATA SPEARMINT OIL IS CLASSIFIED AS TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.</p> <p>SUBSTANCES:</p> <table border="1"> <thead> <tr> <th>Chemical Name</th> <th>Crustacea</th> <th>Algae/aquatic plants</th> <th>Fish</th> </tr> </thead> <tbody> <tr> <td><i>Menthol</i></td> <td>48hr EC50/LC50 - 26.6 mg/L (<i>Daphnia magna</i>)</td> <td>72hr EC50 - 21.4 mg/L, EC10 or NOEC - 9.65 mg/L (<i>Desmodesmus subspicatus</i>)</td> <td>96hr LC50 - 15.6 mg/L (<i>Brachydanio rerio</i>)</td> </tr> <tr> <td><i>alpha-Terpineol</i></td> <td>48hr EC50 - 73 mg/l (<i>Daphnia</i>)</td> <td>72hr EC50 - 68mg/l</td> <td>96hr LC50 - 62 to 80 mg/L</td> </tr> <tr> <td><i>alpha-Pinene</i></td> <td>41: 48 h <i>Daphnia magna</i> mg/L LC50</td> <td></td> <td>0.28: 96 h <i>Pimephales promelas</i> mg/L LC50 static</td> </tr> <tr> <td><i>para-Cymene</i></td> <td>72hr ErC50 - 4.03 mg/L, NOErC - 1.4 mg/L (<i>Scenedesmus capricornutum</i>)</td> <td>48hr EC50 - 100 mg/L</td> <td>96hr LC50 - 48 mg/L (<i>Cyprinodon variegatus</i>)</td> </tr> <tr> <td><i>Camphene</i></td> <td>22: 48 h <i>Daphnia magna</i> mg/L EC50</td> <td></td> <td>0.72: 96 h <i>Brachydanio rerio</i> mg/L LC50 flow-through 150: 96 h <i>Brachydanio rerio</i> mg/L LC50 static</td> </tr> <tr> <td><i>Eugenol</i></td> <td>48hr EC50 - 1.13 mg/L (<i>Daphnia magna</i>) (OECD 202)</td> <td>72hr ErC50 - 24 mg/L (<i>Desmodesmus subspicatus</i>) (OECD201)</td> <td>96hr LC50 - 13 mg/L (<i>Danio rerio</i>) (OECD 203)</td> </tr> <tr> <td><i>cis-3-Hexenol</i></td> <td>48hr EC50 - >100 mg/L (<i>Daphnia</i>)</td> <td>72hr EC50 - 76 mg/L (<i>Pseudokirchneriella subcapitata</i>)</td> <td>96hr LC50 - 381 mg/L (<i>Pimephales promelas</i>)</td> </tr> </tbody> </table>				Chemical Name	Crustacea	Algae/aquatic plants	Fish	<i>Menthol</i>	48hr EC50/LC50 - 26.6 mg/L (<i>Daphnia magna</i>)	72hr EC50 - 21.4 mg/L, EC10 or NOEC - 9.65 mg/L (<i>Desmodesmus subspicatus</i>)	96hr LC50 - 15.6 mg/L (<i>Brachydanio rerio</i>)	<i>alpha-Terpineol</i>	48hr EC50 - 73 mg/l (<i>Daphnia</i>)	72hr EC50 - 68mg/l	96hr LC50 - 62 to 80 mg/L	<i>alpha-Pinene</i>	41: 48 h <i>Daphnia magna</i> mg/L LC50		0.28: 96 h <i>Pimephales promelas</i> mg/L LC50 static	<i>para-Cymene</i>	72hr ErC50 - 4.03 mg/L, NOErC - 1.4 mg/L (<i>Scenedesmus capricornutum</i>)	48hr EC50 - 100 mg/L	96hr LC50 - 48 mg/L (<i>Cyprinodon variegatus</i>)	<i>Camphene</i>	22: 48 h <i>Daphnia magna</i> mg/L EC50		0.72: 96 h <i>Brachydanio rerio</i> mg/L LC50 flow-through 150: 96 h <i>Brachydanio rerio</i> mg/L LC50 static	<i>Eugenol</i>	48hr EC50 - 1.13 mg/L (<i>Daphnia magna</i>) (OECD 202)	72hr ErC50 - 24 mg/L (<i>Desmodesmus subspicatus</i>) (OECD201)	96hr LC50 - 13 mg/L (<i>Danio rerio</i>) (OECD 203)	<i>cis-3-Hexenol</i>	48hr EC50 - >100 mg/L (<i>Daphnia</i>)	72hr EC50 - 76 mg/L (<i>Pseudokirchneriella subcapitata</i>)	96hr LC50 - 381 mg/L (<i>Pimephales promelas</i>)
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	12.2 PERSISTENCE & DEGRADABILITY	PRODUCT IS CONSIDERED READILY BIODEGRADABLE.																																		
12.3 BIO- ACCUMULATIVE POTENTIAL	LOW POTENTIAL FOR BIOACCUMULATION.																																			
12.4 MOBILITY IN SOIL	LOG KOC VALUES FOR THE KNOWN CONSTITUENTS OF SPEARMINT OIL WAS FOUND TO BE 1.53 - 4.30																																			
12.5 RESULTS OF PBT & VPVB ASSESSMENT	THIS SUBSTANCE IS NOT CONSIDERED TO BE PERSISTENT, BIOACCUMULATING NOR TOXIC (PBT).																																			
12.6 OTHER ADVERSE EFFECTS	DO NOT ALLOW PRODUCT TO ENTER STREAMS, SEWERS OR OTHER WATERWAYS.																																			

SECTION 13: DISPOSAL INFORMATION

The attached information is considered to be correct at the time the client received this information. Please be aware that detail can change and we encourage clients to update their records with YouWish regularly. The information is not and should not be considered a guarantee or warranty, or a part of our contractual or other legal obligations. The information is not to be disclosed to others, reproduced or transmitted in whole or in part without permission from YouWish.

13.1 WASTE TREATMENT METHODS	ALWAYS RECOVER SPILLED PRODUCT. DISCARD WASTE MATERIAL WITH AUTHORIZED WASTE MANAGEMENT SERVICES. ACT IN ACCORDANCE WITH LOCAL & NATIONAL WASTE REGULATIONS.
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SECTION 14: TRANSPORT INFORMATION

14.1 TRANSPORT INFORMATION	
	<p style="text-align: center;">UN NUMBER</p> ROAD: 3082 RAIL: 3082 AIR: 3082
14.2 UN SHIPPING NAME	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S.
14.3 TRANSPORT HAZARD CLASS(ES)	<p>ADR/RID ADR/RID – CLASS 9 ADR CLASSIFICATION CODE – M6 SPECIAL PROVISIONS – 274 335 375 601 LIMITED QUANTITIES – 5L EXPECTED QUANTITIES – E1 EMERGENCY ACTION CODE – *3Z</p> <p>IMDG IMDG – CLASS 9 SPECIAL PROVISIONS – 274 335 375 601 LIMITED QUANTITIES – 5L EXPECTED QUANTITIES – E1 IMDG EMS – F-A, S-F STOWAGE AND HANDLING – CATEGORY A</p> <p>ICAO/IATA ICAO/IATA – CLASS 9 IATA PROPER SHIPPING NAME - ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID N.O.S. EXPECTED QUANTITIES – E1</p> <p>TRANSPORT LABEL:</p> 
14.4 PACKING GROUP	ADR/RID/ADN PACKING GROUP III IMDG PACKING GROUP III ICAO PACKING GROUP III
14.5 ENVIROMENTAL HAZARDS	ENVIRONMENTALLY HAZARDOUS SUBSTANCE/MARINE POLLUTANT. 
14.6 SPECIAL PRECAUTIONS FOR USER	SEE SECTIONS 6 – 8.

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14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 & THE IBC CODE.	NO ADDITIONAL DATA AVAILABLE.
SECTION 15: REGULATORY INFORMATION	
15.1 PRODUCT SPECIFIC SAFETY, HEALTH & ENVIRONMENTAL REGULATIONS & LEGISLATION	
EU DIRECTIVES	REGULATION (EC) NO 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 18 TH DECEMBER 2006. CONCERNING THE REGISTRATION, EVALUATION, AUTHORIZATION & RESTRICTION OF CHEMICALS (REACH), ESTABLISHING A EUROPEAN CHEMICALS AGENCY, AMENDING DIRECTIVE 1999/45/EC AND REPEALING COUNCIL REGULATION (EEC) NO793/93 & COMMISSION REGULATION (EC) NO1488/94 AS WELL AS COUNCIL DIRECTIVE 76/769/EEC & COMMISSION DIRECTIVE 91/155/ECC, 93/67/ECC, 93/105/EEC & 2000/21/EC (INCLUDING AMENDMENTS).
STATUTORY INSTRUMENTS	THE CHEMICALS (HAZARD INFORMATION & PACKAGING FOR SUPPLY REGULATIONS 2009 (S.I.2009 NO 716).
APPROVED CODE OF PRACTICE	CLASSIFICATION & LABELLING OF SUBSTANCES & PREPARATIONS DANGEROUS FOR SUPPLY. SAFETY DATA SHEETS FOR SUBSTANCES & PREPARATIONS.
GUIDANCE NOTES	WORKPLACE EXPOSURE LIMITS EH40. CHIP FOR EVERYONE HSG 108.
15.2 CHEMICAL SAFETY ASSESSMENT	-

SECTION 16: OTHER INFORMATION	
HAZARD AND/ OR PRECAUTIONARY STATEMENTS IN FULL	H226 FLAMMABLE LIQUID AND VAPOUR. H228 FLAMMABLE SOLID. H302 HARMFUL IF SWALLOWED. H304 MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS. H315 CAUSES SKIN IRRITATION. H317 MAY CAUSE AN ALLERGIC SKIN REACTION. H319 CAUSES SERIOUS EYE IRRITATION. H361 SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD. 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.
OTHER INFORMATION	THE CLP ADDITIVITY CALCULATION INCLUDES: H319 - EYE IRRIT. 2 H400 - AQUATIC ACUTE 1 H410 - AQUATIC CHRONIC 1 HOWEVER, SPEARMINT OIL HAS BEEN CLASSIFIED ACCORDING TO REACH DATA: NOT CLASSIFIED AS AN EYE IRRITANT CLASSIFIED AS AQUATIC CHRONIC 2 AND NOT AQUATIC ACUTE 1 OR AQUATIC CHRONIC 1
TRAINING INSTRUCTIONS: REFER TO POSSIBLE HAZARD BEFORE USE OF THIS PRODUCT.	
ABBREVIATIONS & ACRONYMS:	
MSDS	MATERIAL SAFETY DATA SHEET.
INCI	INTERNATIONAL NOMENCLATURE OF COSMETIC INGREDIENTS.
CAS	CHEMICAL ABSTRACT SERVICE.
IMDG	INTERNATIONAL MARITIME CODE FOR DANGEROUS GOODS.
ADR	ACCORD EUROPEAN SUR LE TRANSPORT DES MARCHANDISES DANGEREUSES PAR ROUTE (EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD).
RID	INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY RAIL.
ICAO	INTERNATIONAL CIVIL AVIATION ORGANIZATION.

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ADN	INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY INLAND WATERWAYS.
GHS	GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION & LABELLING OF CHEMICALS.
TREM CARD	TRANSPORT EMERGENCY CARD.
STOT	SPECIFIC TARGET ORGAN TOXICITY.

DOCUMENTATION REVISION

DATE	CHANGE DESCRIPTION
10 TH APRIL 2018	DATA LAUNCH
2021	REVIEW