

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	LIME (STEAM DISTILLED), ESSENTIAL OIL				
BIOLOGICAL DEFINITION	CITRUS AURANTIFOLIA OIL IS THE VOLATILE OIL OBTAINED FROM THE FRUITS OF THE LIME, CITRUS AURANTIFOLIA, RUTACEAE.				
INCI NAME	CITRUS AURANTIFOLIA PEEL OIL DISTILLED				
SYNONYMS & TRADE NAMES	LIME OIL DISTILLED				
INTERNAL PRODUCT CODE	K0262				
CAS-No	90063-52-8	EC No.	290-010-3	EINECS No.	290-010-3
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) NO ADDITIONAL DATA AVAILABLE.

CLASSIFICATION (EU 1272/2008)
 ASPIRATION TOXICITY CATEGORY 1 - (H304)
 SKIN CORROSION/IRRITATION CATEGORY 2 - (H315)
 SERIOUS EYE DAMAGE/EYE IRRITATION CATEGORY 2 - (H319)
 SKIN SENSITIZATION CATEGORY 1B - (H317)
 REPRODUCTIVE TOXICITY CATEGORY 2 - (H361)
 ACUTE AQUATIC TOXICITY CATEGORY 1 - (H400)
 CHRONIC AQUATIC TOXICITY CATEGORY 1 - (H410)
 FLAMMABLE LIQUIDS CATEGORY 3 - (H226)

2.2 LABEL ELEMENTS LABEL IN ACCORDANCE WITH REGULATION (EC) No 1272/2008.

GHS LABEL



GHS02



GHS07



GHS08



GHS09

SIGNAL WORD DANGER

CONTAINS D-LIMONENE, GAMMA-TERPINENE, TERPINOLENE, ALPHA-TERPINENE

HAZARDS STATEMENT

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
 H410 - VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS
 H226 - FLAMMABLE LIQUID AND VAPOR
 CONTAINS SABINENE, LINALOOL
 EUH208 - CONTAINS (.?). MAY PRODUCE AN ALLERGIC REACTION

PRECAUTIONARY STATEMENTS

P210 - KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES. - NO SMOKING
 P280 - WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION
 P201 - OBTAIN SPECIAL INSTRUCTIONS BEFORE USE
 P202 - DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD
 P263 - AVOID CONTACT DURING PREGNANCY/WHILE NURSING
 P301 + P310 - IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER OR DOCTOR
 P331 - DO NOT INDUCE VOMITING
 P302 + P352 - IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER
 P333 + P313 - IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ATTENTION
 P305 + P351 + P338 - IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING
 P337 + P313 - IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION
 P308 + P313 - IF EXPOSED OR CONCERNED: GET MEDICAL ADVICE/ATTENTION
 P273 - AVOID RELEASE TO THE ENVIRONMENT
 P501 - DISPOSE OF CONTENTS/CONTAINER IN ACCORDANCE WITH LOCAL, REGIONAL, NATIONAL, AND INTERNATIONAL REGULATIONS AS APPLICABLE

SUPPLEMENTARY PRECAUTIONARY STATEMENTS NONE.

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

2.3 OTHER HAZARDS

ADVERSE PHYSIO-CHEMICAL PROPERTIES NO DATA

ADVERSE EFFECTS ON HUMAN HEALTH NO DATA

PBT OR VPVB ACCORDING TO ANNEX XIII NO DATA

SECTION 3: COMPOSITION OF INGREDIENTS

3.2 MIXTURES

60 - 70% D-LIMONENE CAS-No: 5989-27-5; EC No.: 227-81 3-5
CLASSIFICATION (EC 1272/2008) FL 3-SCI 2-SS 1B-AH 1-EH A1-EH C1;H226-H304- H315-H317-H410,-

10 - 20% Γ-TERPINENE (P-MENTHA-1,4-DIENE) CAS No:99-85-4 ; EC No: 202-794-6
CLASSIFICATION (EC 1272/2008) FL 3-AH 1;H226-H304,-

1 - 10% TERPINOLENE CAS No: 586-62-9 EC No: 209-578-0
CLASSIFICATION (EC 1272/2008) SS 1B-AH 1-EH A1-EH C1; H304-H317-H410,-

1 - 10% ALPHA-TERPINEOL CAS No: 98-55-5 EC No: -
CLASSIFICATION (EC 1272/2008) AQUATIC ACUTE 2 (H401) (EFA) EYE IRRIT. 2 (H319) (EFA) SKIN IRRIT. 2 (H315) (EFA) ACUTE TOX. 5 (H303)(EFA) FLAM. LIQ. 4 (H227)(EFA)

1 - 10% ALPHA-TERPINENE CAS No: 99-86-5 EC No: -
CLASSIFICATION (EC 1272/2008) AQUATIC ACUTE 2 (H401) (EFA) SKIN IRRIT. 3 (H316) (EFA) AQUATIC CHRONIC 2 (H411) (EFA) ASP. TOX. 1 (H304) (EFA) ACUTE TOX. 4 (H302) (EFA) FLAM. LIQ. 3 (H226)(EFA)

1 - 10% BETA-PINENE CAS No: 127-91-3 EC No: -
CLASSIFICATION (EC 1272/2008) ACUTE AQUATIC 1 (H400) (EFA) CHRONIC AQUATIC 1 (H410) (EFA) SKIN SENS. 1 (H317) (EFA) SKIN IRRIT. 2 (H315) (EFA) ASP. TOX. 1 (H304) (EFA) FLAM. LIQ. 3 (H226)(EFA)

1 - 10% PARA-CYMENE CAS No: 99-87-6 EC No: -
CLASSIFICATION (EC 1272/2008) REP TOX. 2 (H361), AQUATIC ACUTE 2 (H401), SKIN IRRIT. 3 (H316), AQUATIC CHRONIC 2 (H411), ASP. TOX. 1 (H304), ACUTE TOX. 5 (H303),FLAM. LIQ. 3 (H226)

1 - 10% DELTA-3-CARENE CAS No:13466-78-9 EC No:
CLASSIFICATION (EC 1272/2008) SKIN SENS. 1 (H317) (EFA) SKIN IRRIT. 2 (H315) (EFA) ASP. TOX. 1 (H304) (EFA)

1 - 10% MYRCENE CAS No: 123-35-3 EC No: -
CLASSIFICATION (EC 1272/2008) EYE IRRIT. 2 (H319) (EFA) SKIN IRRIT. 2 (H315) (EFA) ASP. TOX. 1 (H304) (EFA) FLAM. LIQUID 3 (H226) (EFA) ACUTE AQUATIC 1 (H400) (EFA) CHRONIC AQUATIC 2 (H411) (EFA)

1 - 10% ALPHA-PINENE CAS No: 80-56-8 ; EC No: -
CLASSIFICATION (EC 1272/2008). ACUTE AQUATIC 1 (H400) (EFA) CHRONIC AQUATIC 1 (H410) (EFA) ACUTE TOX. 4 (H302) (EFA) SKIN SENS. 1B (H317) (EFA) SKIN IRRIT. 2 (H315) (EFA) ASP. TOX. 1 (H304) (EFA) FLAM. LIQ. 3 (H226)(EFA)

0.1 - 1% TRANS BETA-OCIMENE CAS No: 3779-61-1 EC No: -
CLASSIFICATION (EC 1272/2008) ACUTE TOX. 5 (H303) (EFA) ASP. TOX. 1 (H304) (EFA) SKIN IRRIT. 2 (H315) (EFA) ACUTE AQUATIC 1 (H400) (EFA) CHRONIC AQUATIC 2 (H411) (EFA) FLAM. LIQ. 3 (H226) (EFA)

0.1 - 1% ALPHA-PHELLANDRENE CAS No: 99-83-2 EC No: -
CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 3 (H316) (EFA) ASP. TOX. 1 (H304) (EFA) FLAM. LIQ. 3 (H226)(EFA)

0.1 - 1% CAMPHENE CAS No: 79-92-5 EC No: -
CLASSIFICATION (EC 1272/2008). AQUATIC ACUTE 1 (H400) (EFA) EYE IRRIT. 2B (H320) (EFA) AQUATIC CHRONIC 1 (H410) (EFA) FLAM. SOL 2 (H228) (EFA)

0.1 - 1% SABINENE CAS No: 3387-41-5 EC No: -
CLASSIFICATION (EC 1272/2008) ASPIRATION CAT 1 (H304), FLAM CAT 3 (H226), SKIN IRRIT CAT 2 (H315), SKIN SENS CAT 1B (H317), ACUTE AQUATIC CAT 1 (H400), CHRONIC AQUATIC CAT 1 (H410)

0.1 - 1% LINALOOL CAS No: 78-70-6 EC No: -
CLASSIFICATION (EC 1272/2008) AQUATIC ACUTE 3 (H402) (EFA) EYE IRRIT. 2 (H319) (EFA) SKIN IRRIT. 2 (H315) (EFA) ACUTE TOX. 5 (H303)(EFA) FLAM. LIQ. 4 (H227)(EFA) SKIN SENS. 1B (H317)(EFA)

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.
SKIN CONTACT	REMOVE CONTAMINATED CLOTHES. WASH THOROUGHLY WITH SOAP AND WATER. CONTACT PHYSICIAN IF IRRITATION PERSISTS.
EYE CONTACT	FLUSH IMMEDIATELY WITH WATER FOR AT LEAST 15 MINUTES. CONTACT PHYSICIAN IF SYMPTOMS PERSIST.
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	BURNING PRODUCES IRRITATING, TOXIC AND OBNOXIOUS FUMES
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	ENSURE ADEQUATE VENTILATION OF THE WORKING AREA, EVACUATE PERSONNEL TO SAFE AREA, WEAR SUITABLE PROTECTIVE EQUIPMENT. NO SMOKING, SPARKS, FLAMES OR OTHER SOURCES OF IGNITION NEAR SPILLAGE. AVOID CONTACT WITH SKIN, EYES AND CLOTHING.
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	REMOVE IGNITION SOURCES. PROVIDE ADEQUATE VENTILATION. AVOID EXCESSIVE INHALATION OF VAPOURS. CONTAIN SPILLAGE IMMEDIATELY BY USE OF SAND OR INERT POWDER. DISPOSE OF ACCORDING TO LOCAL REGULATIONS.
6.4 REFERENCES TO OTHER SECTIONS	REFER & CONSIDER SECTION 8. REFER & CONSIDER SECTION 12. REFER & CONSIDER SECTION 13.
SECTION 7: HANDLING & STORAGE	
7.1 PRECAUTIONS FOR SAFE-HANDLING	HANDLE IN ACCORDANCE WITH GOOD HYGIENE AND SAFETY PRACTICE. KEEP AWAY FROM HEAT, SPARKS, OPEN FLAMES AND HOT SURFACES. - NO SMOKING. USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED. USE IN ACCORDANCE WITH GOOD MANUFACTURING AND INDUSTRIAL HYGIENE PRACTICES. USE IN AREAS WITH ADEQUATE VENTILATION DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT.
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	

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**8.1
CONTROL PARAMETERS**

Chemical Name	European Union	United Kingdom	France	Spain	Germany
d-Limonene 5989-27-5	-	-	TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	S ⁻ TWA: 30 ppm TWA: 168 mg/m ³	TWA: 5 ppm TWA: 28 mg/m ³ Ceiling / Peak: 20 ppm mg/m ³ Skin
gamma-Terpinene 99-85-4	-	-	TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	-	-
Terpinolene 586-62-9	-	-	TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	-	-
alpha-Terpinene 99-86-5	-	-	TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	-	-
beta-Pinene 127-91-3	-	-	TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	TWA: 20 ppm TWA: 113 mg/m ³	-
para-Cymene 99-87-6	-	-	TWA: 150 mg/m ³ TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	-	-
delta-3-Carene 13466-78-9	-	-	TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	TWA: 20 ppm TWA: 113 mg/m ³	-
Myrcene 123-35-3	-	-	TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	-	-
alpha-Pinene 80-56-8	-	-	TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	TWA: 20 ppm TWA: 113 mg/m ³	-
trans beta-Ocimene 3779-61-1	-	-	TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	-	-
alpha-Phellandrene 99-83-2	-	-	TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	-	-
Camphene 79-92-5	-	-	TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	-	-
Sabinene 3387-41-5	-	-	TWA: 1000 mg/m ³ STEL: 1500 mg/m ³	-	-
Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark
d-Limonene 5989-27-5	-	-	-	TWA: 25 ppm TWA: 140 mg/m ³ STEL: 50 ppm STEL: 280 mg/m ³	-
beta-Pinene 127-91-3	-	TWA: 20 ppm	-	-	-
para-Cymene 99-87-6	-	-	-	-	TWA: 25 ppm TWA: 135 mg/m ³
delta-3-Carene 13466-78-9	-	TWA: 20 ppm	-	-	-
alpha-Pinene 80-56-8	-	TWA: 20 ppm	-	-	-
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
d-Limonene 5989-27-5	-	STEL: 14 ppm STEL: 80 mg/m ³ TWA: 7 ppm TWA: 40 mg/m ³	-	TWA: 25 ppm TWA: 140 mg/m ³ STEL: 37.5 ppm STEL: 175 mg/m ³	-
beta-Pinene 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	-
delta-3-Carene 13466-78-9	-	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	-
Myrcene 123-35-3	-	-	-	TWA: 40 ppm TWA: 275 mg/m ³ STEL: 60 ppm STEL: 343.75 mg/m ³	-
alpha-Pinene 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	-
Camphene 79-92-5	-	Skin STEL: 40 ppm STEL: 224 mg/m ³ TWA: 20 ppm TWA: 112 mg/m ³	-	-	-

**8.2
EXPOSURE CONTROLS**



EYE PROTECTION

WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION.

HAND PROTECTION

WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION.

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RESPIRATORY EQUIPMENT	UNDER NORMAL CONDITIONS OF USE AND WHERE ADEQUATE VENTILATION IS AVAILABLE TO PREVENT BUILD UP OF EXCESSIVE VAPOUR, THIS MATERIAL SHOULD NOT REQUIRE SPECIAL ENGINEERING CONTROLS. HOWEVER, IN CONDITIONS OF HIGH OR PROLONGED USE, OR HIGH TEMPERATURE OR OTHER CONDITIONS WHICH INCREASE EXPOSURE, THE FOLLOWING ENGINEERING CONTROLS CAN BE USED TO MINIMISE EXPOSURE TO PERSONNEL: A) INCREASE VENTILATION OF THE AREA WITH LOCAL EXHAUST VENTILATION. B) PERSONNEL CAN USE AN APPROVED, APPROPRIATELY FITTED RESPIRATOR WITH ORGANIC VAPOUR CARTRIDGE OR CANISTERS AND PARTICULATE FILTERS. C) USE CLOSED SYSTEMS FOR TRANSFERRING AND PROCESSING THIS MATERIAL. ALSO REFER TO SECTIONS 2 AND 7.
HYGIENE MEASURES	GOOD PERSONAL HYGIENE PRACTICES ARE ALWAYS ADVISABLE, ESPECIALLY WHEN WORKING WITH CHEMICALS / OILS.
ENGINEERING MEASURES	PROVIDE ADEQUATE VENTILATION.
SKIN PROTECTION	WEAR PROTECTIVE CLOTHING TO REDUCE THE RISK OF SKIN AND EYE CONTACT.
PERSONAL PROTECTION	AVOID INHALATION OF THE PRODUCT. AVOID CONTACT WITH SKIN AND EYES.
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.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

9.1 PHYSICAL & CHEMICAL PROPERTIES	
APPEARANCE	LIQUID
COLOUR	COLOURLESS – PALE YELLOW.
ODOUR	CHARACTERISTIC OF LIME.
RELATIVE DENSITY	0.8455 – 0.8565 @ 25°C
FLASH POINT (°C)	52°C
REFRACTIVE INDEX @ 20 °C	1.4710 - 1.4760 @ 20°C
SOLUBILITY IN WATER @ 20 °C	NO ADDITIONAL DATA AVAILABLE.
9.2 OTHER INFORMATION	NO DATA.

SECTION 10: STABILITY & REACTIVITY



10.1 REACTIVITY	PRESENTS NO SIGNIFICANT REACTIVITY HAZARDS, BY ITSELF OR IN CONTACT WITH WATER. STABLE UNDER NORMAL TEMPERATURE AND STORAGE CONDITIONS AND RECOMMENDED USE.
10.2 CHEMICAL STABILITY	STABLE UNDER SUGGESTED STORAGE CONDITIONS (<15°C).
10.3 POSSIBILITY OF HAZARDOUS REACTIONS	NOT EXPECTED UNDER NORMAL CONDITIONS OF USE.
10.4 CONDITIONS TO AVOID	HEAT, FLAMES AND SPARKS.
10.5 INCOMPATIBLE MATERIALS	P.V.C
10.6 HAZARDOUS DECOMPOSITION PRODUCTS	THIS PRODUCT DOES NOT DECOMPOSE UNDER NORMAL CONDITIONS. UNDER FIRE CONDITIONS THE PRODUCT WILL PRODUCE A MIXTURE OF IRRITATING FUMES & SMOKE & CARBON MONOXIDE.

SECTION 11: TOXICOLOGICAL INFORMATION																													
11.1 TOXICOLOGICAL EFFECTS																													
ACUTE TOXICITY	THE FOLLOWING VALUES ARE CALCULATED BASED ON CHAPTER 3.1 OF THE GHS DOCUMENT 65.6942 % OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN ACUTE ORAL TOXICITY. 97.8736 % OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN ACUTE DERMAL TOXICITY. 97.8736 % OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN ACUTE INHALATION TOXICITY (GAS) 97.8736 % OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN ACUTE INHALATION TOXICITY (VAPOR) 95.868 % OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN ACUTE INHALATION TOXICITY (DUST/MIST)																												
SKIN IRRITATION	IRRITATING TO SKIN.																												
EYE DAMAGE OR IRRITATION	CAUSES SERIOUS EYE IRRITATION.																												
RESPIRATORY OR SKIN SENSITIVITY	MAY CAUSE SENSITISATION BY SKIN CONTACT.																												
GERM CELL MUTAGENICITY	NOT CLASSIFIED.																												
CARCINOGENICITY	NOT CLASSIFIED.																												
REPRODUCTIVE TOXICITY	PRODUCT IS OR CONTAINS A CHEMICAL WHICH IS A KNOWN OR SUSPECTED REPRODUCTIVE HAZARD. GAMMA-TERPINENE, PARA-CYMENE.																												
STOT – SINGLE EXPOSURE	NOT CLASSIFIED.																												
STOT – REPEATED EXPOSURE	NOT CLASSIFIED.																												
ASPIRATION HAZARD	MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS (H304).																												
OTHER INFORMATION	NOT CLASSIFIED.																												
SECTION 12: ECOLOGICAL INFORMATION																													
12.1 TOXICITY	VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS 13.9918 % OF THE MIXTURE CONSISTS OF COMPONENT(S) OF UNKNOWN HAZARDS TO THE AQUATIC ENVIRONMENT. <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>d-Limonene</td> <td>48hr EC50 - 0.4 mg/L (Daphnia magna)</td> <td>96 hr NOEC - 4mg/L (Green algae)</td> <td>96hr LC50 - 0.7mg/L (Pimephales promelas)</td> </tr> <tr> <td>alpha-Terpineol</td> <td>48hr EC50 - 73 mg/l (Daphnia magna)</td> <td>72hr EC50 - 68mg/l</td> <td>96hr LC50 - 62 to 80 mg/L (Danio rerio)</td> </tr> <tr> <td>para-Cymene</td> <td>72hr ErC50 - 4.03 mg/L, NOErC - 1.4 mg/L (Scenedesmus capricornutum)</td> <td>48hr EC50 - 100 mg/L</td> <td>96hr LC50 - 48 mg/L (Cyprinodon variegatus)</td> </tr> <tr> <td>alpha-Pinene</td> <td>41: 48 h Daphnia magna mg/L LC50</td> <td></td> <td>0.28: 96 h Pimephales promelas mg/L LC50 static</td> </tr> <tr> <td>Camphene</td> <td>48hr EC50/LC50 - 50 mg/L (Daphnia magna)</td> <td>72hr EC50 - 30.31 mg/L, EC10 or NOEC - 10 mg/L (Pseudokirchneriella subpicata)</td> <td>96hr LC50 - 50 mg/L (Danio rerio)</td> </tr> <tr> <td>Linalool</td> <td>48hr EC50 - 59mg/L (Daphnia magna)</td> <td>96hr EC50 - 156.7 mg/L; EC10 or NOEC - 54.3 mg/L (Desmodesmus subspicatus)</td> <td>96hr LC50 - 27.8mg/L (Salmo gairdneri)</td> </tr> </tbody> </table>	Chemical Name	Crustacea	Algae/aquatic plants	Fish	d-Limonene	48hr EC50 - 0.4 mg/L (Daphnia magna)	96 hr NOEC - 4mg/L (Green algae)	96hr LC50 - 0.7mg/L (Pimephales promelas)	alpha-Terpineol	48hr EC50 - 73 mg/l (Daphnia magna)	72hr EC50 - 68mg/l	96hr LC50 - 62 to 80 mg/L (Danio rerio)	para-Cymene	72hr ErC50 - 4.03 mg/L, NOErC - 1.4 mg/L (Scenedesmus capricornutum)	48hr EC50 - 100 mg/L	96hr LC50 - 48 mg/L (Cyprinodon variegatus)	alpha-Pinene	41: 48 h Daphnia magna mg/L LC50		0.28: 96 h Pimephales promelas mg/L LC50 static	Camphene	48hr EC50/LC50 - 50 mg/L (Daphnia magna)	72hr EC50 - 30.31 mg/L, EC10 or NOEC - 10 mg/L (Pseudokirchneriella subpicata)	96hr LC50 - 50 mg/L (Danio rerio)	Linalool	48hr EC50 - 59mg/L (Daphnia magna)	96hr EC50 - 156.7 mg/L; EC10 or NOEC - 54.3 mg/L (Desmodesmus subspicatus)	96hr LC50 - 27.8mg/L (Salmo gairdneri)
Chemical Name	Crustacea	Algae/aquatic plants	Fish																										
d-Limonene	48hr EC50 - 0.4 mg/L (Daphnia magna)	96 hr NOEC - 4mg/L (Green algae)	96hr LC50 - 0.7mg/L (Pimephales promelas)																										
alpha-Terpineol	48hr EC50 - 73 mg/l (Daphnia magna)	72hr EC50 - 68mg/l	96hr LC50 - 62 to 80 mg/L (Danio rerio)																										
para-Cymene	72hr ErC50 - 4.03 mg/L, NOErC - 1.4 mg/L (Scenedesmus capricornutum)	48hr EC50 - 100 mg/L	96hr LC50 - 48 mg/L (Cyprinodon variegatus)																										
alpha-Pinene	41: 48 h Daphnia magna mg/L LC50		0.28: 96 h Pimephales promelas mg/L LC50 static																										
Camphene	48hr EC50/LC50 - 50 mg/L (Daphnia magna)	72hr EC50 - 30.31 mg/L, EC10 or NOEC - 10 mg/L (Pseudokirchneriella subpicata)	96hr LC50 - 50 mg/L (Danio rerio)																										
Linalool	48hr EC50 - 59mg/L (Daphnia magna)	96hr EC50 - 156.7 mg/L; EC10 or NOEC - 54.3 mg/L (Desmodesmus subspicatus)	96hr LC50 - 27.8mg/L (Salmo gairdneri)																										
12.2 PERSISTENCE & DEGRADABILITY	NO DATA.																												
12.3 BIO- ACCUMULATIVE POTENTIAL	NO DATA.																												
12.4 MOBILITY IN SOIL	NO DATA.																												
12.5 RESULTS OF PBT & VPVB ASSESSMENT	THIS SUBSTANCE DOES NOT MEET THE PBT/vPVB CRITERIA OF REACH, ANNEX XIII.																												
12.6 OTHER ADVERSE EFFECTS	DO NOT ALLOW PRODUCT TO ENTER STREAMS, SEWERS OR OTHER WATERWAYS.																												
SECTION 13: DISPOSAL INFORMATION																													

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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			
	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: right; width: 30%;">UN NUMBER</td> <td> ROAD: 1169 RAIL: 1169 AIR: 1169 </td> </tr> </table>	UN NUMBER	ROAD: 1169 RAIL: 1169 AIR: 1169
UN NUMBER	ROAD: 1169 RAIL: 1169 AIR: 1169		
14.2 UN SHIPPING NAME	EXTRACTS, AROMATIC, LIQUID		
14.3 TRANSPORT HAZARD CLASS(ES)	ADR/RID/ADN CLASS: 3 FLAMMABLE LIQUID. IMDG CLASS: 3 FLAMMABLE LIQUID. ICAO CLASS/DIVISION: 3 FLAMMABLE LIQUID. TRANSPORT LABELS 		
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	REFER AND CONSIDER SECTIONS 6 – 8.		
14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 & THE IBC CODE.	NO ADDITIONAL DATA.		
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		

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	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	<p>H226 - FLAMMABLE LIQUID AND VAPOR H227 - COMBUSTIBLE LIQUID H228 - FLAMMABLE SOLID H302 - HARMFUL IF SWALLOWED H303 - MAY BE HARMFUL IF SWALLOWED H304 - MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS H315 - CAUSES SKIN IRRITATION H316 - CAUSES MILD SKIN IRRITATION H317 - MAY CAUSE AN ALLERGIC SKIN REACTION H319 - CAUSES SERIOUS EYE IRRITATION H320 - CAUSES EYE IRRITATION H361 - SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD H400 - VERY TOXIC TO AQUATIC LIFE H401 - TOXIC TO AQUATIC LIFE H402 - HARMFUL TO AQUATIC LIFE H410 - VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS H411 - TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS</p>
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.
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
10TH APRIL 2018	DATA LAUNCH
2021	REVIEW