

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	CYPRESS, ESSENTIAL OIL				
BIOLOGICAL DEFINITION	CUPRESSUS SEMPERVIRENS LEAF OIL IS THE VOLATILE OIL OBTAINED FROM THE LEAVES OF THE CYPRESS, CUPRESSUS SEMPERVIRENS L., PINACEAE.				
INCI NAME	CUPRESSUS SEMPERVIRENS LEAF OIL				
SYNONYMS & TRADE NAMES	-				
INTERNAL PRODUCT CODE	K0168				
CAS-No	84696-07-1	EC No.	283-626-9	EINECS No.	283-626-9
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		<i>THE FULL TEXT FOR ALL HAZARD STATEMENTS DISPLAYED IN SECTION 16.</i>
CLASSIFICATION (67/548/EEC)	NO ADDITIONAL DATA AVAILABLE.	
CLASSIFICATION (EU1272/2008)	FLAMMABLE LIQUID, CATEGORY 3 (FLAM. LIQ. 3, H226). ACUTE TOXICITY. 4 – H302, ASP TOXICITY. 1 - H304 SKIN IRRITATION, CATEGORY 2 (SKIN IRRIT. 2, H315). SKIN SENSITISATION, CATEGORY 1B (SKIN SENS. 1B, H317). EYE IRRITATION. 2 – H319 HAZARDOUS TO THE AQUATIC ENVIRONMENT - ACUTE HAZARD, CATEGORY 1 (AQUATIC ACUTE 1, H400). HAZARDOUS TO THE AQUATIC ENVIRONMENT - CHRONIC HAZARD, CATEGORY 1 (AQUATIC CHRONIC 1, H410).	

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2.2 LABEL ELEMENTS	LABEL IN ACCORDANCE WITH REGULATION (EC) NO 1272/2008.
GHS LABEL	   
SIGNAL WORD	DANGER.
CONTAINS	ALPHA-PINENE
HAZARDS STATEMENT	<p>H226 FLAMMABLE LIQUID AND VAPOUR. 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. H410 VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.</p>
SIGNAL WORD	DANGER.
PRECAUTIONARY STATEMENTS	<p>P210 KEEP AWAY FROM HEAT, HOT SURFACES, SPARKS, OPEN FLAMES AND OTHER IGNITION SOURCES. NO SMOKING. P241 USE EXPLOSION-PROOF ELECTRICAL/VENTILATING/LIGHTING/EQUIPMENT. P242 USE NON-SPARKING TOOLS. P243 TAKE ACTION TO PREVENT STATIC DISCHARGES. P261 AVOID BREATHING VAPOURS/SPRAY. P273 AVOID RELEASE TO THE ENVIRONMENT. P280 WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION. P301 + P312 IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER/DOCTOR/... P303+P361+P353 IF ON SKIN (OR HAIR): TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER. P305+P351+P338 IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING. P331 Do NOT INDUCE VOMITING. P337+P313 IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION. P370+P378 IN CASE OF FIRE: USE DRY POWDER OR CARBON DIOXIDE TO EXTINGUISH. P391 COLLECT SPILLAGE. P501 DISPOSE OF CONTENTS/CONTAINER IN ACCORDANCE WITH LOCAL/REGIONAL/NATIONAL/INTERNATIONAL REGULATIONS.</p>
SUPPLEMENTARY PRECAUTIONARY STATEMENTS	P264 WASH HANDS THOROUGHLY AFTER HANDLING.
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	THE SUBSTANCE DOES NOT SATISFY THE PBT OR VPVP CRITERIA IN ACCORDANCE WITH ANNEXE XIII OF THE REACH REGULATIONS EC 1907/2006.
SECTION 3: COMPOSITION OF INGREDIENTS	

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**3.1
SUBSTANCES**

50 - 80% 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

10 - 20% DELTA-3-CARENE CAS No: 13466-78-9 EC No: 236-719-3
CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 - H226, ASP. TOX. 1 - H304, SKIN IRRIT. 2 - H315,
SKIN SENS. 1 - H317, AQUATIC CHRONIC 3 - H412

10 - 20% 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

≤ 3.2% 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

≤ 5% 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

≤ 5% 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

≤ 5% BORNEOL CAS No: 507-70-0 EC No: 208-080-0
CLASSIFICATION (EC 1272/2008) FLAM. SOL. 1 - H228, SKIN IRRIT. 2 - H315, EYE DAM. 1 - H318,
ACUTE TOX. 4 - H332, STOT SE 2 - H371

≤ 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

≤ 1% ALPHA-THUYENE CAS No: 2867-05-2 EC No: 202-686-7
CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 - H226, SKIN SENS. 1 - H317

≤ 1% P-MENTHA-1,4-DIENE (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% P-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, AQUATIC CHRONIC 4 - H413

≤ 0.4% LINALOOL CAS No: 78-70-6 EC No: 201-134-4
CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2 - H315, SKIN SENS. 1B - H317, EYE IRRIT. 2 - H319

≤ 1% EUCALYPTOL (1,8-CINEOL) CAS No: 470-82-6 EC No: 207-431-5
CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 - H226, SKIN SENS. 1B - H317

≤ 1% LONGIFOLENE CAS No: 475-20-7 EC No: 207-491-2
CLASSIFICATION (EC 1272/2008) ASP. TOX. 1 - H304, SKIN SENS. 1B - H317, AQUATIC ACUTE 1 - H400
AQUATIC CHRONIC 1 - H410

≤ 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

SECTION 4: FIRST AID MEASURES

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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	DO NOT INDUCE VOMITING. INGESTION MAY CAUSE NAUSEA AND VOMITING. IMMEDIATELY RINSE MOUTH AND PROVIDE FRESH AIR. GET MEDICAL ADVICE/ATTENTION.
SKIN CONTACT	REMOVE CONTAMINATED CLOTHES. WASH THOROUGHLY WITH SOAP AND WATER. CONTACT PHYSICIAN IF IRRITATION PERSISTS.
EYE CONTACT	IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR UP TO 15 MINUTES. REMOVE ANY CONTACT LENSES AND OPEN EYES WIDE APART. GET MEDICAL ADVICE/ATTENTION. CONTINUE TO RINSE.
4.2 MOST IMPORTANT SYMPTOMS & EFFECTS (ACUTE & DELAYED)	SYMPTOMS/EFFECTS AFTER SKIN CONTACT: IRRITATION. MAY CAUSE AN ALLERGIC SKIN REACTION. SYMPTOMS/EFFECTS AFTER INGESTION: RISK OF LUNG OEDEMA.
4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION OR SPECIAL TREATMENT REQUIRED	TREAT SYMPTOMATICALLY.

SECTION 5: FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MATERIAL	FOAM, CO ₂ , DRY CHEMICAL POWDER.
5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE	FIRE HAZARD: FLAMMABLE LIQUID AND VAPOUR. HAZARDOUS DECOMPOSITION PRODUCTS IN CASE OF FIRE: TOXIC FUMES MAY BE RELEASED.
5.3 ADVICE FOR FIRE-FIGHTERS	AVOID INHALATION OF GENERATED FUMES OR VAPOURS. WEAR SELF-CONTAINED BREATHING APPARATUS AND APPROPRIATE PROTECTIVE CLOTHING.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS	VENTILATE SPILLAGE AREA. WEAR PROTECTIVE CLOTHING AS DESCRIBED IN SECTION 8 OF THIS SAFETY DATA SHEET. HANDLE THE PRODUCT USING PROTECTIVE GLOVES RESISTANT TO THE CHEMICALS EXPOSED. AVOID CONTACT WITH SKIN AND INHALATION OF ITS VAPOURS. MAINTAIN ADEQUATE VENTILATION IN THE WORKING AREA AFTER SPILLING. NO OPEN FLAMES, NO SPARKS. NO SMOKING.
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. 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 SECTION 7, 8 AND 13.


SECTION 7: HANDLING & STORAGE

7.1 PRECAUTIONS FOR SAFE-HANDLING	ENSURE GOOD VENTILATION OF THE WORK STATION. KEEP AWAY FROM HEAT, HOT SURFACES, SPARKS, OPEN FLAMES AND OTHER IGNITION SOURCES. NO SMOKING. GROUND/BOND CONTAINER AND RECEIVING EQUIPMENT. USE ONLY NON-SPARKING TOOLS. TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGE. FLAMMABLE VAPOURS MAY ACCUMULATE IN THE CONTAINER. USE EXPLOSION-PROOF EQUIPMENT. WEAR PERSONAL PROTECTIVE EQUIPMENT. AVOID CONTACT WITH SKIN AND EYES. AVOID BREATHING DUST/FUME/GAS/MIST/VAPOURS/SPRAY. WASH CONTAMINATED CLOTHING BEFORE REUSE. CONTAMINATED WORK CLOTHING SHOULD NOT BE ALLOWED OUT OF THE WORKPLACE. DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT. ALWAYS WASH HANDS AFTER HANDLING THE PRODUCT.
7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES	STORAGE CLASS: FLAMMABLE LIQUID STORAGE. STORE ONLY IN THE ORIGINAL RECEPTACLE. KEEP CONTAINER TIGHTLY SEALED. KEEP IN COOL, DRY, VENTILATED STORAGE AND CLOSED CONTAINERS. KEEP AWAY FROM HEAT.
7.3 SPECIFIC END USE(S)	THE INFORMATION REQUIRED IS CONTAINED IN THIS MATERIAL SAFETY DATA

SECTION 8: EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1 CONTROL PARAMETERS	NO DATA.
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8.2 EXPOSURE CONTROLS	
	
EYE PROTECTION	WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION. AVOID CONTACT WITH EYES. WEAR APPROVED SAFETY GOGGLES. (EN166). PROVIDE EYE WASH.
HAND PROTECTION	AVOID CONTACT WITH SKIN. WASH HANDS BEFORE BREAKS AND AT END OF WORK. WEAR PROTECTIVE GLOVES. DIN/EN 374. THE GLOVE MATERIAL HAS TO BE IMPERMEABLE AND RESISTANT TO THE PRODUCT / THE SUBSTANCE/ THE PREPARATION. PENETRATION TIME OF GLOVE MATERIAL: THE EXACT BREAK THROUGH TIME HAS TO BE FOUND OUT BY THE MANUFACTURER OF THE PROTECTIVE GLOVES AND HAS TO BE OBSERVED.
RESPIRATORY EQUIPMENT	DO NOT INHALE GASES / FUMES / AEROSOLS. CERTIFIED RESPIRATORY PROTECTIVE DEVICE RECOMMENDED.
HYGIENE MEASURES	GOOD PERSONAL HYGIENE PRACTICES ARE ALWAYS ADVISABLE, ESPECIALLY WHEN WORKING WITH CHEMICALS / OILS.
ENGINEERING MEASURES	PROVIDE ADEQUATE VENTILATION.
SKIN PROTECTION	WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT SKIN CONTACT. WORK CLOTHING WORN BY PERSONNEL SHOULD BE LAUNDERED REGULARLY. AFTER CONTACT WITH THE PRODUCT, ALL PARTS OF THE BODY THAT HAVE BEEN EXPOSED MUST BE WASHED THOROUGHLY.
PERSONAL PROTECTION	AVOID INHALATION OF THE PRODUCT. AVOID CONTACT WITH SKIN AND EYES. AVOID CONTACT WITH SKIN AND EYES. USE PERSONAL PROTECTION ACCORDING TO DIRECTIVE 89/686/EEC.
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 COMPANIES.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

9.1 PHYSICAL & CHEMICAL PROPERTIES	
APPEARANCE	MOBILE LIQUID
COLOUR	COLOURLESS TO PALE YELLOW TO PALE OLIVE GREEN.
ODOUR	CHARACTERISTIC
RELATIVE DENSITY @ 20°C	APPROX. 0.873 @ 20°C
FLASH POINT (°C)	36°C.
REFRACTIVE INDEX @ 20 °C	APPROX. 1.473 @ 20°C
SOLUBILITY IN WATER @ 20 °C	INSOLUBLE IN WATER. SOLUBLE IN ETHANOL.
9.2 OTHER INFORMATION	NO DATA.

SECTION 10: STABILITY & REACTIVITY

10.1 REACTIVITY	FLAMMABLE LIQUID AND VAPOUR.
10.2 CHEMICAL STABILITY	STABLE UNDER THE RECOMMENDED HANDLING AND STORAGE CONDITIONS IN SECTION 7.
10.3 POSSIBILITY OF HAZARDOUS REACTIONS	NONE UNDER NORMAL PROCESSING.
10.4 CONDITIONS TO AVOID	KEEP AWAY FROM HEAT, HOT SURFACES, SPARKS, OPEN FLAMES AND OTHER IGNITION SOURCES. PREVENT STORING THE PRODUCT IN OPEN CONTAINERS FOR LONG PERIODS SO AS TO PREVENT PRODUCT DETERIORATION.
10.5 INCOMPATIBLE MATERIALS	AVOID CONCENTRATED ACIDS, ALKALIS & OXIDISING AGENTS.

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**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**

	<p>ACUTE TOXICITY (ORAL): HARMFUL IF SWALLOWED. ACUTE TOXICITY (DERMAL): NOT CLASSIFIED ACUTE TOXICITY (INHALATION): NOT CLASSIFIED</p> <p>CYPRESS OIL ATE CLP (ORAL) 934.614 MG/KG BODYWEIGHT</p> <p>ALPHA-PINENE (80-56-8) LD50 ORAL 500 MG/KG BODYWEIGHT</p> <p>MYRCENE (123-35-3) LD50 ORAL RAT > 11390 MG/KG BODYWEIGHT ANIMAL: RAT LD50 ORAL > 3380 MG/KG BODYWEIGHT ANIMAL: MOUSE LD50 DERMAL RABBIT > 5000 MG/KG BODYWEIGHT ANIMAL: RABBIT, GUIDELINE: OECD GUIDELINE 402 (ACUTE DERMAL TOXICITY)</p> <p>DELTA-3-CARENE (13466-78-9) LD50 ORAL 4800 MG/KG BODYWEIGHT LC50 INHALATION RAT (DUST/MIST - MG/L/4H) 1.5 MG/L/4H</p> <p>P-CYMENE (99-87-6) LD50 ORAL 4750 MG/KG BODYWEIGHT LD50 DERMAL RABBIT > 5000 MG/KG BODYWEIGHT</p> <p>EUCALYPTOL (470-82-6) LD50 ORAL 2480 MG/KG BODYWEIGHT</p> <p>D-LIMONENE (5989-27-5) LD50 ORAL RAT > 2000 MG/KG BODYWEIGHT ANIMAL: RAT, ANIMAL SEX: FEMALE, GUIDELINE: OECD GUIDELINE 423 (ACUTE ORAL TOXICITY - ACUTE TOXIC CLASS METHOD) LD50 DERMAL RABBIT > 5000 MG/L READ-ACROSS FROM SUPPORTING SUBSTANCE (STRUCTURAL ANALOGUE OR SURROGATE)</p> <p>P-MENTHA-1,4-DIENE (99-85-4) LD50 ORAL 3850 MG/KG BODYWEIGHT</p> <p>TERPINOLENE (586-62-9) LD50 ORAL 3775 MG/KG BODYWEIGHT</p> <p>LINALOOL (78-70-6) LD50 ORAL 2790 MG/KG BODYWEIGHT</p> <p>BORNEOL (507-70-0) LD50 ORAL 2500 MG/KG BODYWEIGHT</p>
ACUTE TOXICITY	
SKIN IRRITATION	MAY CAUSE IRREVERSIBLE DAMAGE TO THE SKIN; NAMELY INFLAMMATION OF THE SKIN OR THE FORMATION OF ERYTHEMA AND ESCHAR OR OEDEMA FOLLOWING EXPOSURE UP TO FOUR HOURS.
EYE DAMAGE OR IRRITATION	CAUSES SERIOUS EYE IRRITATION.
RESPIRATORY OR SKIN SENSITIVITY	MAY CAUSE AN ALLERGIC REACTION BY SKIN CONTACT. .
GERM CELL MUTAGENICITY	NOT CLASSIFIED.
CARCINOGENICITY	NOT CLASSIFIED.

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PHOTO-TOXICITY	NO DATA.
REPRODUCTIVE TOXICITY	<p>NOT CLASSIFIED.</p> <p>P-CYMENE (99-87-6)</p> <p>NOAEL (ANIMAL/MALE, F0/P) 50 MG/KG BODYWEIGHT</p> <p>NOAEL (ANIMAL/FEMALE, F0/P) 100 MG/KG BODYWEIGHT</p> <p>P-MENTHA-1,4-DIENE (99-85-4)</p> <p>NOAEL (ANIMAL/MALE, F0/P) 250 MG/KG BODYWEIGHT</p> <p>NOAEL (ANIMAL/FEMALE, F0/P) 250 MG/KG BODYWEIGHT</p>
STOT – SINGLE EXPOSURE	NOT CLASSIFIED.
STOT – REPEATED EXPOSURE	<p>NOT CLASSIFIED.</p> <p>MYRCENE (123-35-3)</p> <p>LOAEL (ORAL, RAT, 90 DAYS) 250 MG/KG BODYWEIGHT ANIMAL: RAT, GUIDELINE: OECD GUIDELINE 408 (REPEATED DOSE 90-DAY ORAL TOXICITY IN RODENTS)</p> <p>NOAEL (SUBCHRONIC, ORAL, ANIMAL/MALE, 90 DAYS) 500 MG/KG BODYWEIGHT ANIMAL: MOUSE, ANIMAL SEX: MALE, GUIDELINE: OECD GUIDELINE 408 (REPEATED DOSE 90-DAY ORAL TOXICITY IN RODENTS)</p> <p>NOAEL (SUBCHRONIC, ORAL, ANIMAL/FEMALE, 90 DAYS) 250 MG/KG BODYWEIGHT ANIMAL: MOUSE, ANIMAL SEX: FEMALE, GUIDELINE: OECD GUIDELINE 408 (REPEATED DOSE 90-DAY ORAL TOXICITY IN RODENTS)</p> <p>D-LIMONENE (5989-27-5)</p> <p>LOAEL (ORAL, RAT, 90 DAYS) 1650 – 3300 MG/KG BODYWEIGHT/DAY</p> <p>NOAEL (SUBACUTE, ORAL, ANIMAL/MALE, 28 DAYS) 825 MG/KG BODYWEIGHT</p> <p>NOAEL (SUBACUTE, ORAL, ANIMAL/FEMALE, 28 DAYS) 1650 MG/KG BODYWEIGHT</p>
ASPIRATION HAZARD	MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.
OTHER INFORMATION	NO DATA.
SECTION 12: ECOLOGICAL INFORMATION	
12.1 TOXICITY	<p>ECOLOGY - GENERAL: VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.</p> <p>P-CYMENE (99-87-6)</p> <p>LC50 FISH 1 48 MG/L CYPRINODON VARIEGATUS</p> <p>EC50 72H ALGAE (1) 4.03 MG/L SCENEDESMUS CAPRICORNUTUM</p> <p>NOEC CHRONIC ALGAE 1.4 MG/L</p> <p>D-LIMONENE (5989-27-5)</p> <p>LC50 FISH 1 720 MG/L TEST ORGANISMS (SPECIES): PIMEPHALES PROMELAS</p> <p>EC50 DAPHNIA 1 0.36 MG/L TEST ORGANISMS (SPECIES): DAPHNIA MAGNA</p> <p>EC50 72H ALGAE (1) 0.32 MG/L TEST ORGANISMS (SPECIES): DESMODESMUS SUBSPICATUS (PREVIOUS NAME: SCENEDESMUS SUBSPICATUS)</p> <p>NOEC (CHRONIC) 0.115 MG/L TEST ORGANISMS (SPECIES): OTHER:FOR FRESHWATER INVERTEBRATES, SPECIES FREQUENTLY INCLUDE DAPHNIA MAGNA</p>



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OR DAPHNIA PULEX. DURATION: '16 D'

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	NO DATA.
12.6 OTHER ADVERSE EFFECTS	NO DATA.
SECTION 13: DISPOSAL INFORMATION	
13.1 WASTE TREATMENT METHODS	<p>DO NOT ALLOW ENTRY INTO DRAINS OR WATERWAYS.</p> <p>WASTE: WASTE MANAGEMENT IS CARRIED OUT WITHOUT ENDANGERING HUMAN HEALTH, WITHOUT HARMING THE ENVIRONMENT AND, IN PARTICULAR WITHOUT RISK TO WATER, AIR, SOIL, PLANTS OR ANIMALS. RECYCLE OR DISPOSE OF WASTE IN COMPLIANCE WITH CURRENT LEGISLATION, PREFERABLY VIA A CERTIFIED COLLECTOR OR COMPANY. DO NOT CONTAMINATE THE GROUND OR WATER WITH WASTE. DO NOT DISPOSE OF WASTE INTO THE ENVIRONMENT.</p> <p>SOILED PACKAGING: EMPTY CONTAINER COMPLETELY. KEEP LABEL(S) ON CONTAINER. DISPOSE OF VIA A CERTIFIED DISPOSAL CONTRACTOR.</p>

SECTION 14: TRANSPORT INFORMATION	
14.1 TRANSPORT INFORMATION	
	<p>UN NUMBER</p> <p>ROAD: 1169 SEA: 1169 AIR: 1169</p>
14.2 UN SHIPPING NAME	EXTRACTS, AROMATIC, LIQUID
14.3 TRANSPORT HAZARD CLASS(ES)	<p>ADR/RID ADR/RID- CLASS 3 ADR CLASSIFICATION CODE – F1 SPECIAL PROVISIONS – 601 LIMITED QUANTITIES – 5L EXCEPTED QUANTITIES – E1 PACKING INSTRUCTIONS (ADR) - P001, IBC03, LP01, R001 MIXED PACKING PROVISIONS (ADR) - MP19 PORTABLE TANK AND BULK CONTAINER INSTRUCTIONS (ADR) - T2 PORTABLE TANK AND BULK CONTAINER SPECIAL PROVISIONS (ADR) - TP1 TANK CODE (ADR) - LGBF VEHICLE FOR TANK CARRIAGE - FL TRANSPORT CATEGORY (ADR) - 3 SPECIAL PROVISIONS FOR CARRIAGE - PACKAGES (ADR) - V12 SPECIAL PROVISIONS FOR CARRIAGE - OPERATION (ADR) - S2 HAZARD IDENTIFICATION NUMBER (KEMLER No.) - 30 EMERGENCY ACTION CODE – 3YE TUNNEL RESTRICTION CODE – D/E</p> <p>IMDG SPECIAL PROVISIONS (IMDG) - 223, 955 LIMITED QUANTITIES (IMDG) - 5 L EXCEPTED QUANTITIES (IMDG) - E1 PACKING INSTRUCTIONS (IMDG) - P001, LP01</p>

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	<p>IBC PACKING INSTRUCTIONS (IMDG) - IBC03 TANK INSTRUCTIONS (IMDG) - T2 TANK SPECIAL PROVISIONS (IMDG) - TP1 EMS-NO. (FIRE) - F-E EMS-NO. (SPILLAGE) - S-D STOWAGE CATEGORY (IMDG) - A PROPERTIES AND OBSERVATIONS (IMDG) - USUALLY CONSIST OF ALCOHOLIC SOLUTIONS. MISCIBILITY WITH WATER DEPENDS UPON THE COMPOSITION.</p> <p>ICAO/IATA PCA EXCEPTED QUANTITIES (IATA) - E1 PCA LIMITED QUANTITIES (IATA) - Y344 PCA LIMITED QUANTITY MAX NET QUANTITY (IATA) - 10L PCA PACKING INSTRUCTIONS (IATA) - 355 PCA MAX NET QUANTITY (IATA) - 60L CAO PACKING INSTRUCTIONS (IATA) - 366 CAO MAX NET QUANTITY (IATA) - 220L SPECIAL PROVISIONS (IATA) - A3 ERG CODE (IATA) - 3L</p> <p>TRANSPORT LABEL:</p> 
14.4 PACKING GROUP	ADR/RID PACKING GROUP: III IMDG PACKING GROUP: III ICAO PACKING GROUP: III
14.5 ENVIROMENTAL HAZARDS	<p>ENVIRONMENTALLY HAZARDOUS SUBSTANCE//MARINE POLLUTANT.</p> 
14.6 SPECIAL PRECAUTIONS FOR USER	SEE SECTIONS 6-8.
14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 & THE IBC CODE.	NO 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 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

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	SHEETS FOR SUBSTANCES & PREPARATIONS.
GUIDANCE NOTES	WORKPLACE EXPOSURE LIMITS EH40. CHIP FOR EVERYONE HSG 108.
15.2 CHEMICAL SAFETY ASSESSMENT	AN ASSESSMENT HAS NOT BEEN EXECUTED AS THIS IS NOT A HAZARDOUS MATERIAL ACCORDING TO ARTICLE 31 OF REACH 1907/2006.

SECTION 16: OTHER INFORMATION

HAZARD AND/ OR PRECAUTIONARY STATEMENTS IN FULL	<p>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. H318 CAUSES SERIOUS EYE DAMAGE. H319 CAUSES SERIOUS EYE IRRITATION. 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. H332 HARMFUL IF INHALED. H361 SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD. 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. H413 MAY CAUSE LONG LASTING HARMFUL EFFECTS TO AQUATIC LIFE.</p>
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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
10 TH APRIL 2018	DATA LAUNCH
DECEMBER 2020	REVIEW

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OCTOBER 2022

REVIEW