



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	O&3 Unit 2, Athelstan Business Park, Hanwell Lane, Hutton Conyers, Ripon, HG4 5BF, England.
EMAIL	TECHNICALCREW@OAND3.COM

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

EMERGENCY CONTACTS	MRS. ELEANOR WADE (07968 200167)
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SECTION 2: HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE	THE FULL TEXT FOR ALL HAZARD STATEMENTS DISPLAYED IN SECTION 16. HYDROCARBON CONTENT: 15% HUMAN HEALTH : MAY CAUSE SERIOUS EYE DAMAGE AND SKIN IRRITATION MAY CAUSE LUNG DAMAGE IF SWALLOWED. ENVIRONMENT : THE PRODUCT CONTAINS A SUBSTANCE WHICH IS TOXIC TO AQUATIC ORGANISMS AND WHICH MAY CAUSE LONG TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.
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

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	ASPIRATION HAZARD, CATEGORY 1 (ASP. TOX. 1, H304). 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).
2.2 LABEL ELEMENTS	LABEL IN ACCORDANCE WITH REGULATION (EC) No 1272/2008.
GHS LABEL	GHS02  GHS07  GHS08  GHS09 
SIGNAL WORD	DANGER.
CONTAINS	ALPHA-PINENE
HAZARDS STATEMENT	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.
SIGNAL WORD	DANGER.
PRECAUTIONARY STATEMENTS	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.
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.

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THE OIL FAMILY

SECTION 3: COMPOSITION OF INGREDIENTS

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		

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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. IMMEDIATELY CALL THE DOCTOR. RINSE MOUTH WITH WATER AND OBTAIN MEDICAL ATTENTION. INGESTION MAY CAUSE NAUSEA AND VOMITING.
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)	OBSERVE RISK OF ASPIRATION IF VOMITING OCCURS.
4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION OR SPECIAL TREATMENT REQUIRED	NO DATA.
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	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. AVOID INHALATION.
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. COVER WITH AN INERT, INORGANIC, NON-COMBUSTIBLE ABSORBENT MATERIAL (E.G DRY-LIME, SAND, SODA ASH).
6.4 REFERENCES TO OTHER SECTIONS	REFER & CONSIDER SECTION 12.
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	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	OCCUPATIONAL EXPOSURE LIMITS : - ACGIH TLV (AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS, THRESHOLD LIMIT VALUES, 2010) : CAS TWA : STEL : CEILING : DEFINITION : CRITERIA :

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		13466-78-9	20 PPM	-	-	-	-
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 PROTECTIVE CLOTHING TO REDUCE THE RISK OF SKIN AND EYE CONTACT.					
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.					
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 SUGGESTED STORAGE CONDITIONS (<15°C). STABLE UNDER NORMAL CONDITIONS.					
10.3 POSSIBILITY OF HAZARDOUS REACTIONS		NONE UNDER NORMAL PROCESSING.					
10.4 CONDITIONS TO AVOID		STORAGE AT HIGH TEMPERATURES. DO NOT STORE ABOVE 15°C. AVOID HEAT, FLAMES AND OTHER SOURCES OF IGNITION.					
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

ACUTE TOXICITY

ACUTE TOXICITY (ORAL): HARMFUL IF SWALLOWED.
ACUTE TOXICITY (DERMAL): NOT CLASSIFIED
ACUTE TOXICITY (INHALATION): NOT CLASSIFIED

CYPRESS OIL

ATE CLP (ORAL) 934.614 MG/KG BODYWEIGHT

ALPHA-PINENE (80-56-8)

LD50 ORAL 500 MG/KG BODYWEIGHT

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)

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-CYMENE (99-87-6)

LD50 ORAL 4750 MG/KG BODYWEIGHT
LD50 DERMAL RABBIT > 5000 MG/KG BODYWEIGHT

EUCALYPTOL (470-82-6)

LD50 ORAL 2480 MG/KG BODYWEIGHT

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-MENTHA-1,4-DIENE (99-85-4)

LD50 ORAL 3850 MG/KG BODYWEIGHT

TERPINOLENE (586-62-9)

LD50 ORAL 3775 MG/KG BODYWEIGHT

LINALOOL (78-70-6)

LD50 ORAL 2790 MG/KG BODYWEIGHT

BORNEOL (507-70-0)

LD50 ORAL 2500 MG/KG BODYWEIGHT

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

NO DATA.

CARCINOGENICITY

MONOGRAPH(S) FROM THE IARC (INTERNATIONAL AGENCY FOR RESEARCH ON CANCER):

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	CAS 5989-27-5 : IARC GROUP 3 : THE AGENT IS NOT CLASSIFIABLE AS TO ITS CARCINOGENICITY TO HUMANS.
REPRODUCTIVE TOXICITY	NOT CLASSIFIED. P-CYMENE (99-87-6) NOAEL (ANIMAL/MALE, F0/P) 50 MG/KG BODYWEIGHT NOAEL (ANIMAL/FEMALE, F0/P) 100 MG/KG BODYWEIGHT P-MENTHA-1,4-DIENE (99-85-4) NOAEL (ANIMAL/MALE, F0/P) 250 MG/KG BODYWEIGHT NOAEL (ANIMAL/FEMALE, F0/P) 250 MG/KG BODYWEIGHT
STOT – SINGLE EXPOSURE	NO DATA.
STOT – REPEATED EXPOSURE	NOT CLASSIFIED. MYRCENE (123-35-3) LOAEL (ORAL, RAT, 90 DAYS) 250 MG/KG BODYWEIGHT ANIMAL: RAT, GUIDELINE: OECD GUIDELINE 408 (REPEATED DOSE 90-DAY ORAL TOXICITY IN RODENTS) 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) 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) D-LIMONENE (5989-27-5) LOAEL (ORAL, RAT, 90 DAYS) 1650 – 3300 MG/KG BODYWEIGHT/DAY NOAEL (SUBACUTE, ORAL, ANIMAL/MALE, 28 DAYS) 825 MG/KG BODYWEIGHT NOAEL (SUBACUTE, ORAL, ANIMAL/FEMALE, 28 DAYS) 1650 MG/KG BODYWEIGHT
ASPIRATION HAZARD	MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS. ASPIRATION TOXICITY INCLUDES SEVERE ACUTE EFFECTS SUCH AS CHEMICAL PNEUMONIA, VARYING DEGREES OF PULMONARY INJURY OR DEATH FOLLOWING ASPIRATION.
OTHER INFORMATION	NO DATA.
SECTION 12: ECOLOGICAL INFORMATION	
12.1 TOXICITY	ECOLOGY - GENERAL: VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS. P-CYMENE (99-87-6) LC50 FISH 1 48 MG/L CYPRINODON VARIEGATUS EC50 72H ALGAE (1) 4.03 MG/L SCENEDESMUS CAPRICORNUTUM NOEC CHRONIC ALGAE 1.4 MG/L D-LIMONENE (5989-27-5) LC50 FISH 1 720 MG/L TEST ORGANISMS (SPECIES): PIMEPHALES PROMELAS EC50 DAPHNIA 1 0.36 MG/L TEST ORGANISMS (SPECIES): DAPHNIA MAGNA EC50 72H ALGAE (1) 0.32 MG/L TEST ORGANISMS (SPECIES): DESMODESMUS SUBSPICATUS (PREVIOUS NAME: SCENEDESMUS SUBSPICATUS)

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	NOEC (CHRONIC)	0.115 MG/L TEST ORGANISMS (SPECIES); OTHER:FOR FRESHWATER INVERTEBRATES, SPECIES FREQUENTLY INCLUDE DAPHNIA MAGNA OR DAPHNIA PULEX. DURATION: '16 d'
12.2 PERSISTENCE & DEGRADABILITY	HYDROCARBONS BIODEGRADABILITY: NO DEGRADABILITY DATA IS AVAILABLE, THE SUBSTANCE IS CONSIDERED AS NOT DEGRADING QUICKLY.	
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	PROPER WASTE MANAGEMENT OF THE SUBSTANCE AND/OR ITS CONTAINER MUST BE DETERMINED IN ACCORDANCE WITH DIRECTIVE 2008/98/EC. DO NOT POUR INTO DRAINS OR WATERWAYS. 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. SOILED PACKAGING: EMPTY CONTAINER COMPLETELY. KEEP LABEL(S) ON CONTAINER. GIVE TO A CERTIFIED DISPOSAL CONTRACTOR	

SECTION 14: TRANSPORT INFORMATION

14.1 TRANSPORT INFORMATION	
	UN NUMBER ROAD: 1169 SEA: 1169 AIR: 1169
14.2 UN SHIPPING NAME	EXTRACTS, AROMATIC, LIQUID
14.3 TRANSPORT HAZARD CLASS(ES)	ADR/RID ADR/RID— CLASS 3 ADR CLASSIFICATION CODE — F1 SPECIAL PROVISIONS — 601 LIMITED QUANTITIES — 5L EXPECTED 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

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IMDG

SPECIAL PROVISIONS (IMDG) - 223, 955
LIMITED QUANTITIES (IMDG) - 5 L
EXCEPTED QUANTITIES (IMDG) - E1
PACKING INSTRUCTIONS (IMDG) - P001, LP01
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.

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

TRANSPORT LABEL:



14.4 PACKING GROUP

ADR/RID PACKING GROUP: III
IMDG PACKING GROUP: III
ICAO PACKING GROUP: III

14.5 ENVIRONMENTAL HAZARDS

ENVIRONMENTALLY HAZARDOUS SUBSTANCE/MARINE POLLUTANT.



14.6 SPECIAL PRECAUTIONS FOR USER

SEE SECTIONS 6-8.

ADR/RID

CLASS	CODE EQ	PACK GR. CAT.	LABEL TUNNEL	IDENT.	LQ	PROVIS.	
3	F1 E1	III 3	D/E	3	30	5 L	601 640E

IMDG

CLASS	2° LABEL EQ	PACK GR.	LQ	EMS	PROVIS.	
3	- E1	III		5 L	F-E, S-D	223 955

IATA

CLASS	2° LABEL NOTE	EQ	PACK GR.	PASSAGER	PASSAGER	CARGO	CARGO
3	- 366	220 L	III A3	E1	355		60 L
3	-		III A3	E1	Y344		10 L

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	FOR LIMITED QUANTITIES, SEE PART 2.7 OF THE OACI/IATA AND CHAPTER 3.4 OF THE ADR AND IMDG. FOR EXCEPTED QUANTITIES, SEE PART 2.6 OF THE OACI/IATA AND CHAPTER 3.5 OF THE ADR AND IMDG.
14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 & THE IBC CODE.	NONE.
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	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	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.
TRAINING INSTRUCTIONS: REFER TO POSSIBLE HAZARD BEFORE USE OF THIS PRODUCT.	

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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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