



THE OIL FAMILY

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	CAJEPUT, ESSENTIAL OIL				
BIOLOGICAL DEFINITION	MELALEUCA LEUCADENDRON CAJAPUTI OIL IS THE VOLATILE OIL OBTAINED FROM MELALEUCA LEUCADENDRON L. VAR. CAJAPUTI, MYRTACEAE.				
INCI NAME	MELALEUCA LEUCADENDRON CAJEPUTI LEAF OIL				
SYNONYMS & TRADE NAMES	-				
INTERNAL PRODUCT CODE	K0082				
CAS-No	85480-37-1	EC No.	287-316-4	EINECS No.	287-316-4
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	THOMASKERFOOT@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 IS DISPLAYED IN SECTION 16.
CLASSIFICATION (67/548/EEC)	NO ADDITIONAL DATA AVAILABLE.
CLASSIFICATION (EU1272/2008)	ASPIRATION TOXICITY CATEGORY 1 - (H304). SKIN CORROSION/IRRITATION CATEGORY 2 - (H315). SERIOUS EYE DAMAGE/EYE IRRITATION CATEGORY 2 - (H319). SKIN SENSITIZATION CATEGORY 1B - (H317). CHRONIC AQUATIC TOXICITY CATEGORY 2 - (H411). 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	-
HAZARDS STATEMENT	H226 - FLAMMABLE LIQUID AND VAPOUR. H315 - CAUSES SKIN IRRITATION. H319 - CAUSES SERIOUS EYE IRRITATION. H317 - MAY CAUSE AN ALLERGIC SKIN REACTION. H411 - TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS. H304 - MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.
SIGNAL WORD	NONE.
PRECAUTIONARY STATEMENTS	P210 - KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES. - NO SMOKING. P280 - WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION. 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. P301 + P310 - IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN. P331 - DO NOT INDUCE VOMITING.
SUPPLEMENTARY PRECAUTIONARY STATEMENTS	NONE.
SECTION 16 (OTHER INFORMATION): RISK & SAFETY PHRASES IN FULL.	
2.3 OTHER HAZARDS	
ADVERSE PHYSIO-CHEMICAL PROPERTIES	TOXIC TO AQUATIC LIFE.
ADVERSE EFFECTS ON HUMAN HEALTH	MAY BE HARMFUL IF SWALLOWED MAY BE HARMFUL IN CONTACT WITH SKIN.
PBT OR VPVB ACCORDING TO ANNEX XIII	NO DATA.
SECTION 3: COMPOSITION OF INGREDIENTS	
3.1 SUBSTANCES	50.0 - 70.0% EUCALYPTOL CAS-No.: 470-82-6 EC No.: 207-431-5, CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 3 (316) (EFFA), ACUTE TOX. 5 (H303)(EFFA), FLAM. LIQ. 3 (H226)(EFFA), SKIN IRRIT. 3 (H316), ACUTE TOX. 5 (H303) 5.0 - 15.0% ALPHA-TERPINEOL CAS-No.: 98-55-5 EC No.: 202-680-6

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THE OIL FAMILY

	<p>CLASSIFICATION (EC 1272/2008) AQUATIC ACUTE 2 (H401) (EFA), EYE IRRIT. 1 (H319) (EFA), SKIN IRRIT. 2 (315), (EFA), ACUTE TOX. 5(H303)(EFA), FLAM. LIQ. 4 (H227)(EFA), EYE IRRIT. 1 (H319), SKIN IRRIT. 2 (H315) ACUTE, TOX. 5 (H303)</p> <p>1.0 - 10.0% D-LIMONENE CAS-No.: 5989-27-5 EC No.: 227-813-5, CLASSIFICATION (EC 1272/2008) AQUATIC ACUTE 1 (H400), SKIN SENS. 1(H317), SKIN IRRIT. 2 (315), ASP. TOX. 1 (H304), AQUATIC CHRONIC 1 (H410), FLAM. LIQ. 3 (H226)</p> <p>1.0 - 5.0% LINALOOL CAS-No.: 78-70-6 EC No.: 201-134-4, CLASSIFICATION (EC 1272/2008) AQUATIC ACUTE 3 (H402) (EFA), EYE IRRIT. 1 (H319) (EFA), SKIN IRRIT. 2 (315) (EFA), ACUTE TOX. 5 (H303)(EFA), FLAM. LIQ. 4 (H227)(EFA), AQUATIC ACUTE 3 (H402), EYE IRRIT. 1 (H319), SKIN IRRIT. 2 (H315), ACUTE TOX. 5 (H303)</p> <p>1.0 - 3.0% ALPHA-PINENE CAS-No.: 80-56-8 EC No.: 201-291-9, CLASSIFICATION (EC 1272/2008) ACUTE AQUATIC 1 (H400), CHRONIC AQUATIC 1 (H410), SKIN SENS. 1 (H317) (EFA), SKIN IRRIT. 2 (315) (EFA), ASP. TOX. 1 (H304) (EFA), ACUTE TOX. 5 (H303)(EFA), FLAM. LIQ. 3 (H226) (EFA), SKIN SENS. 1 (H317), SKIN IRRIT. 2 (H315), ACUTE TOX. 5 (H303)</p> <p>1.0 - 3.0% MYRCENE CAS-No.: 123-35-3 EC No.: 204-622-5, CLASSIFICATION (EC 1272/2008) EYE IRRIT. 1 (H319) (EFA), SKIN IRRIT. 2 (315) (EFA), ASP. TOX. 1 (H304) (EFA), EYE IRRIT. 1 (H319), SKIN IRRIT. 2 (H315)</p> <p>1.0 - 3.0% BETA-PINENE CAS-No.: 127-91-3 EC No.: 204-872-5, CLASSIFICATION (EC 1272/2008) AQUATIC ACUTE 2 (H401) (EFA), EYE IRRIT. 1 (H319) (EFA), SKIN IRRIT. 2 (315), (EFA), ACUTE TOX. 5(H303)(EFA), FLAM. LIQ. 4 (H227)(EFA), EYE IRRIT. 1 (H319), SKIN IRRIT. 2 (H315), ACUTE TOX. 5 (H303)</p>
<p>3.2 MIXTURES</p>	<p>NOT APPLICABLE.</p>

SECTION 4: FIRST AID MEASURES

<p>4.1 DESCRIPTION OF FIRST AID MEASURES</p>	
<p>GENERAL INFORMATION</p>	<p>ALWAYS REMOVE CONTAMINATED CLOTHING IMMEDIATELY.</p>
<p>INHALATION</p>	<p>GET MEDICAL ATTENTION IMMEDIATELY. REMOVE FROM EXPOSURE SITE TO FRESH AIR, KEEP AT REST, AND OBTAIN MEDICAL ATTENTION.</p>
<p>INGESTION</p>	<p>GET MEDICAL ATTENTION IMMEDIATELY. IMMEDIATELY CALL THE DOCTOR. RINSE MOUTH WITH WATER AND OBTAIN MEDICAL ATTENTION.</p>
<p>SKIN CONTACT</p>	<p>REMOVE CONTAMINATED CLOTHES. WASH THOROUGHLY WITH SOAP AND WATER. CONTACT PHYSICIAN IF IRRITATION PERSISTS.</p>
<p>EYE CONTACT</p>	<p>FLUSH IMMEDIATELY WITH WATER FOR AT LEAST 15 MINUTES. CONTACT PHYSICIAN IF SYMPTOMS PERSIST.</p>
<p>4.2 MOST IMPORTANT SYMPTOMS & EFFECTS (ACUTE & DELAYED)</p>	<p>NONE KNOWN.</p>
<p>4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION OR SPECIAL TREATMENT REQUIRED</p>	<p>NONE EXPECTED, SEE SECTION 4.1 FOR FURTHER INFORMATION.</p>

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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)	RISK MANAGEMENT METHODS (RMM) THE INFORMATION REQUIRED IS CONTAINED IN THIS MATERIAL SAFETY DATA

SECTION 8: EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1 CONTROL PARAMETERS	CHEMICAL NAME	EUROPEAN UNION	UNITED KINGDOM	FRANCE	SPAIN	GERMANY
	D-LIMONENE	-	-	TWA: 1000 MG/M ³ STEL: 1500 MG/M ³	-	TWA: 5PPM TWA: 28 MG/M ³ CEILING / PEAK: 20 PPM CEILING / PEAK: 112 MG/M ³ SKIN
	ALPHA-PINENE	-	-	TWA: 1000 MG/M ³ STEL: 1500 MG/M ³	TWA: 20PPM TWA: 113MG/M ³	-
	MYRCENE	-	-	TWA: 1000 MG/M ³ STEL: 1500 MG/M ³	-	-
	BETA-PINENE	-	-	TWA: 1000 MG/M ³ STEL: 1500 MG/M ³	TWA: 20PPM TWA: 113MG/M ³	-
	CHEMICAL NAME	ITALY	PORTUGAL	NETHERLANDS	FINLAND	DENMARK
	LIMONENE	-	-	-	TWA: 25PPM TWA: 140 MG/M ³ STEL: 50PPM STEL: 280 MG/M ³	-
	ALPHA-PINENE	-	TWA: 20PPM	-	-	-
	BETAA-PINENE	-	TWA: 20PPM	-	-	-

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CHEMICAL NAME	AUSTRIA	SWITZERLAND	POLAND	NORWAY	IRELAND
D-LIMONENE	-	STEL: 1 4PPM STEL 80 MG/M3 TWA: 7 PPM TWA: 40 MG/M3	-	TWA: 25PPM TWA: 1 40 MG/M3 TEL: 25 PPM STEL: 1 40 MG/M3	-
ALPHA-PINENE	-	-	-	TWA: 25PPM TWA: 1 40 MG/M3 SKIN TEL: 25 PPM STEL: 1 40 MG/M3	-
MYRCENE	-	-	-	TWA: 40PPM TWA: 27 5 MG/M3 TEL: 40 PPM STEL: 27 5 MG/M3	-
BETA-PINENE	-	-	-	TWA: 25PPM TWA: 1 40 MG/M3 TEL: 25 PPM STEL: 1 40 MG/M3	-
DERIVED NO EFFECT LEVEL (DNEL) NO INFORMATION AVAILABLE PREDICTED NO EFFECT CONCENTRATION (PNEC) NO INFORMATION AVAILABLE.					

8.2 EXPOSURE CONTROLS



EYE PROTECTION	WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION. AVOID CONTACT WITH EYES. WEAR APPROVED SAFETY GOGGLES. (EN1 66)
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. NIOSH OR EUROPEAN STANDARD EN 1 49 APPROVED RESPIRATOR.
HYGIENE MEASURES	GOOD PERSONAL HYGIENE PRACTICES ARE ALWAYS ADVISABLE, ESPECIALLY WHEN WORKING WITH CHEMICALS / OILS.
ENGINEERING MEASURES	NONE.
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

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APPEARANCE	LIQUID
COLOUR	LIGHT YELLOW
ODOUR	CHARACTERISTIC
RELATIVE DENSITY @ 20°C	0.905 – 0.935
FLASH POINT (°C)	46 °C.
REFRACTIVE INDEX @ 20 °C	1.461 – 1.472
SOLUBILITY IN WATER @ 20 °C	INSOLUBLE IN WATER
9.2 OTHER INFORMATION	NO DATA.
SECTION 10: STABILITY & REACTIVITY	
10.1 REACTIVITY	NOT APPLICABLE.
10.2 CHEMICAL STABILITY	STABLE UNDER SUGGESTED STORAGE CONDITIONS (<15°C). STABLE UNDER NORMAL CONDITIONS. EXPLOSION DATA SENSITIVITY TO MECHANICAL IMPACT. NONE. SENSITIVITY TO STATIC DISCHARGE. NONE.
10.3 POSSIBILITY OF HAZARDOUS REACTIONS	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.
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	<p>PRODUCT INFORMATION PRODUCT DOES NOT PRESENT AN ACUTE TOXICITY HAZARD BASED ON KNOWN OR SUPPLIED INFORMATION.</p> <p>INHALATION NO DATA AVAILABLE. EYE CONTACT NO DATA AVAILABLE. SKIN CONTACT NO DATA AVAILABLE. INGESTION NO DATA AVAILABLE.</p> <p>THE FOLLOWING VALUES ARE CALCULATED BASED ON CHAPTER 3.1 OF THE GHS DOCUMENT</p> <p>ATEMIX (ORAL) 2,692.00</p> <p>ATEMIX (DERMAL) 5,000.00</p> <p>UNKNOWN ACUTE TOXICITY 100 % OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN TOXICITY. 22.4 % OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN ACUTE ORAL TOXICITY. 98.1 % OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN ACUTE DERMAL TOXICITY. 100 % OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN ACUTE INHALATION TOXICITY (GAS) 100 % OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN ACUTE INHALATION TOXICITY (VAPOR) 100 % OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN ACUTE INHALATION TOXICITY (DUST/MIST)</p> <p>EUCALYPTOL ORAL LD50 = 2480 MG/KG (RAT)</p> <p>ALPHA-TERPINEOL ORAL LD50 = 5170 MG/KG (RAT)</p> <p>D-LIMONENE ORAL LD50 = 4400 MG/KG (RAT) DERMAL LD50 >5 G/KG (RABBIT)</p>

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	<p>LINALOOL ORAL LD50 = 2790 MG/KG (RAT) DERMAL LD50 = 5610 MG/KG (RAT)</p> <p>ALPHA-PINENE ORAL LD50 = 3700 MG/KG (RAT) DERMAL LD50 > 5000 MG/KG (RAT)</p> <p>MYRCENE ORAL LD50 >5 G/KG (RAT) DERMAL LD50 >5 G/KG (RABBIT)</p> <p>B-PINENE ORAL LD50 = 4700 MG/KG (RAT)</p>
SKIN IRRITATION	NO DATA.
EYE DAMAGE OR IRRITATION	NO DATA.
RESPIRATORY OR SKIN SENSITIVITY	NO DATA.
GERM CELL MUTAGENICITY	NO DATA.
CARCINOGENICITY	NO DATA.
REPRODUCTIVE TOXICITY	NO DATA.
STOT – SINGLE EXPOSURE	NO DATA.
STOT – REPEATED EXPOSURE	NO DATA.
ASPIRATION HAZARD	NO DATA.
OTHER INFORMATION	NO DATA.

SECTION 12: ECOLOGICAL INFORMATION

12.1 TOXICITY	<p>78 % OF THE MIXTURE CONSISTS OF COMPONENTS(S) OF UNKNOWN HAZARDS TO THE AQUATIC ENVIRONMENT</p> <table border="1"> <thead> <tr> <th>CHEMICAL NAME</th> <th>ALGAE/AQUATIC PLANTS</th> <th>FISH</th> </tr> </thead> <tbody> <tr> <td>CRUSTACEA</td> <td></td> <td></td> </tr> <tr> <td>EUCALYPTOL</td> <td>-</td> <td>95.4 - 109: 96 H</td> </tr> <tr> <td>PIMEPHALES</td> <td></td> <td></td> </tr> <tr> <td colspan="3" style="text-align: center;">PROMELAS MG/L LC50 FLOW-THROUGH</td> </tr> <tr> <td>D-LIMONENE</td> <td>-</td> <td>0.619 - 0.796: 96 H PIMEPHALES</td> </tr> <tr> <td>-</td> <td></td> <td></td> </tr> <tr> <td colspan="3" style="text-align: center;">PROMELAS MG/L LC50 FLOW-THROUGH</td> </tr> <tr> <td>MG/L</td> <td></td> <td>35: 96 H ONCORHYNCHUS MYKISS</td> </tr> <tr> <td></td> <td></td> <td>LC50</td> </tr> <tr> <td>LINALOOL</td> <td>88.3: 96 H DESMODESMUS</td> <td>22 - 46: 96 H LEUCISCUS IDUS MG/L</td> </tr> <tr> <td>20: 48 H DAPHNIA MAGNA MG/L</td> <td>SUBSPICATUS MG/L EC50</td> <td>LC50 STATIC</td> </tr> <tr> <td>EC50</td> <td></td> <td></td> </tr> <tr> <td>ALPHA-PINENE</td> <td>-</td> <td>0.28: 96 H PIMEPHALES PROMELAS</td> </tr> <tr> <td>41: 48 H DAPHNIA MAGNA MG/L LC50</td> <td></td> <td>MG/L LC50 STATIC</td> </tr> </tbody> </table>	CHEMICAL NAME	ALGAE/AQUATIC PLANTS	FISH	CRUSTACEA			EUCALYPTOL	-	95.4 - 109: 96 H	PIMEPHALES			PROMELAS MG/L LC50 FLOW-THROUGH			D-LIMONENE	-	0.619 - 0.796: 96 H PIMEPHALES	-			PROMELAS MG/L LC50 FLOW-THROUGH			MG/L		35: 96 H ONCORHYNCHUS MYKISS			LC50	LINALOOL	88.3: 96 H DESMODESMUS	22 - 46: 96 H LEUCISCUS IDUS MG/L	20: 48 H DAPHNIA MAGNA MG/L	SUBSPICATUS MG/L EC50	LC50 STATIC	EC50			ALPHA-PINENE	-	0.28: 96 H PIMEPHALES PROMELAS	41: 48 H DAPHNIA MAGNA MG/L LC50		MG/L LC50 STATIC
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12.2 PERSISTENCE & DEGRADABILITY	NO DATA.																																													
12.3 BIO- ACCUMULATIVE POTENTIAL	NONE.																																													
12.4 MOBILITY IN SOIL	NO DATA																																													
12.5 RESULTS OF PBT & VPVB ASSESSMENT	NO DATA.																																													
12.6 OTHER ADVERSE EFFECTS	NO DATA.																																													

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SECTION 13: DISPOSAL INFORMATION

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

<p>14.1 TRANSPORT INFORMATION</p>	
<p>UN NUMBER</p>	<p>ROAD: UN 1169 SEA: UN 1169 AIR: UN 1169</p>
<p>14.2 UN SHIPPING NAME</p>	<p>ADR: 1169 EXTRACTS, AROMATIC, LIQUID.</p>
<p>14.3 TRANSPORT HAZARD CLASS(ES)</p>	<p>ADR/RID/ADN CLASS 3 ADR/RID/ADN CLASS 3 IMDG CLASS 3 ICAO CLASS/DIVISION 3</p> <p>TRANSPORT LABELS:</p> 
<p>14.4 PACKING GROUP</p>	<p>ADR/RID/ADN PACKING GROUP III IMDG PACKING GROUP III ICAO PACKING GROUP III</p>
<p>14.5 ENVIROMENTAL HAZARDS</p>	<p>ENVIRONMENTALLY HAZARDOUS / MARINE POLLUTANT.</p> 
<p>14.6 SPECIAL PRECAUTIONS FOR USER</p>	<p>NONE.</p>
<p>14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 & THE IBC CODE.</p>	<p>EMS-No F-E, S-D CLASSIFICATION CODE B1, IB3 TUNNEL RESTRICTION CODE T2,</p>

SECTION 15: REGULATORY INFORMATION

<p>15.1 PRODUCT SPECIFIC SAFETY, HEALTH & ENVIRONMENTAL REGULATIONS & LEGISLATION</p>	
<p>EU DIRECTIVES</p>	<p>REGULATION (EC) NO 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 18TH 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</p>

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THE OIL FAMILY

	REGULATION (EC) No 1488/94 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	ASSESSMENT HAS NOT BEEN CARRIED OUT AS THIS IS A NON-HAZARDOUS MATERIAL ACCORDING TO ARTICLE 31 OF REACH 1907/2006.

SECTION 16: OTHER INFORMATION

HAZARD AND/ OR PRECAUTIONARY STATEMENTS IN FULL	H319 - CAUSES SERIOUS EYE IRRITATION. H304 - MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS. H315 - CAUSES SKIN IRRITATION. H400 - VERY TOXIC TO AQUATIC LIFE. H410 - VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS. H317 - MAY CAUSE AN ALLERGIC SKIN REACTION. H226 - FLAMMABLE LIQUID AND VAPOUR. H402 - HARMFUL TO AQUATIC LIFE. H303 - MAY BE HARMFUL IF SWALLOWED. H227 - COMBUSTIBLE LIQUID. H401 - TOXIC TO AQUATIC LIFE.
TRAINING INSTRUCTIONS: REFER TO POSSIBLE HAZARD BEFORE USE OF THIS PRODUCT.	
ABBREVIATIONS & ACRONYMS:	
MSDS	MATERIAL SAFETY DATA SHEET.

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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

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