



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	CASSIA, ESSENTIAL OIL				
BIOLOGICAL DEFINITION	CINNAMOMUM CASSIA LEAF OIL IS THE VOLATILE OIL OBTAINED BY STEAM DISTILLATION FROM THE LEAVES AND TWIGS OF THE CHINESE CINNAMOM, CINNAMOMUM CASSIA (L.), LAURACEAE.				
INCI NAME	CINNAMOMUM CASSIA LEAF OIL				
SYNONYMS & TRADE NAMES	N/A				
INTERNAL PRODUCT CODE	K0106				
CAS-No	84961-46-6 / 8007-80-5	EC No.	284-635-0	EINECS No.	284-635-0

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 IS DISPLAYED IN SECTION 16.
CLASSIFICATION (EU1272/2008)	ACUTE DERMAL TOXICITY, CATEGORY 4 (ACUTE TOX. 4, H312). SKIN IRRITATION, CATEGORY 2 (SKIN IRRIT. 2, H315). SKIN SENSITISATION, CATEGORY 1 (SKIN SENS. 1, H317). THE FULL TEXT FOR ALL HAZARD STATEMENTS DISPLAYED IN SECTION 16.
2.2 LABEL ELEMENTS	LABEL IN ACCORDANCE WITH REGULATION (EC) No 1272/2008.
GHS LABEL	  GHS06 GHS07
SIGNAL WORD	DANGER
CONTAINS	BENZALDEHYDE, COUMARIN
HAZARDS STATEMENT	H311 TOXIC IN CONTACT WITH SKIN. H312 HARMFUL IN CONTACT WITH SKIN. H315 CAUSES SKIN IRRITATION. H317 MAY CAUSE AN ALLERGIC SKIN REACTION. H319 CAUSES SERIOUS EYE IRRITATION.
PRECAUTIONARY STATEMENTS	P261 AVOID BREATHING DUST/FUME/GAS/MIST/VAPOURS/SPRAY. P280 WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION.
SUPPLEMENTARY PRECAUTIONARY STATEMENTS	P302 + P352 IF ON SKIN: WASH WITH PLENTY OF SOAP AND 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. P312 CALL A POISON CENTER OR DOCTOR/PHYSICIAN IF YOU FEEL UNWELL. P333+P313 IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ATTENTION. P337+P313 IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION. P501 DISPOSE OF CONTENTS/CONTAINER TO WASTE DISPOSAL FACILITY LICENSED.
SECTION 16 (OTHER INFORMATION): RISK & SAFETY PHRASES IN FULL.	
2.3 OTHER HAZARDS	
ADVERSE PHYSIO-CHEMICAL PROPERTIES	NO DATA
ADVERSE EFFECTS ON HUMAN HEALTH	TOXIC IN CONTACT WITH SKIN. CAUSES SKIN IRRITATION. MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES SERIOUS EYE IRRITATION.
PBT OR VPVB ACCORDING TO ANNEX XIII	NO DATA.

SECTION 3: COMPOSITION OF INGREDIENTS

3.1 MIXTURES	≤ 88.0% Cinnamaldehyde CAS No: 104-55-2 EC No: 203-213-9 Classification (EC 1272/2008): Acute Tox. 4 (Dermal), H312, Eye Irrit. 2, H319, Skin Irrit. 2, H315, Skin Sens. 1A, H317
	≤ 2.0% Coumarin CAS No: 91-64-5 EC No: 202-086-7 Classification (EC 1272/2008): Acute Tox. 3 (Oral), H301, Acute Tox. 3 (Dermal), H311, Skin Sens. 1, H317, Acute Tox. 3 (Inhalation), H331, Aquatic Chronic 2, H411

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<p>≤ 1.2% Benzaldehyde Classification (EC 1272/2008): Acute Tox. 4 (Inhalation), H332, Acute Tox. 4 (Oral), H302, Eye Irrit. 2, H319, STOT SE 3, H335</p> <p>1 - 5% Phenethyl alcohol Classification (EC 1272/2008): Acute Tox. 4 (Oral), H302, Eye Irrit. 2, H319</p> <p>≤ 1.0% Phenethyl acetate Classification (EC 1272/2008): Eye Dam. 1, H318</p> <p>≤ 1.0% Cinnamyl alcohol Classification (EC 1272/2008): Acute Tox. 4 (Oral), H302, Skin Sens. 1, H317, Aquatic Chronic 2, H411</p> <p>≤ 1.0% Salicylaldehyde Classification (EC 1272/2008): Acute Tox. 4 (Oral), H302, Aquatic Chronic 3, H412</p> <p>≤ 1.0% Styrene Classification (EC 1272/2008): Asp. Tox. 1, H304, Acute Tox. 4 (Inhalation), H332, Eye Irrit. 2, H319, Aquatic Chronic 3, H412, Flam. Liq. 3, H226, Repr. 2, H361, Skin Irrit. 2, H315, STOT RE 1, H372, STOT SE 3, H335</p> <p>≤ 0.2% Benzyl Benzoate Classification (EC 1272/2008): Acute Tox. 4 (Oral), H302, Aquatic Acute 1, H400, Aquatic Chronic 2, H411</p> <p>≤ 0.1% Acetophenone Classification (EC 1272/2008): Acute Tox. 4 (Oral), H302, Eye Irrit. 2, H319</p> <p>≤ 0.5% Eugenol Classification (EC 1272/2008): Eye Irrit. 2, H319, Skin Sens. 1B, H317</p>	<p>CAS No: 100-52-7 EC No: 202-860-4</p> <p>CAS No: 60-12-8 EC No: 200-456-2</p> <p>CAS No: 103-45-7 EC No: 203-113-5</p> <p>CAS No: 104-54-1 EC No: 203-212-3</p> <p>CAS No: 90-02-8 EC No: 201-961-0</p> <p>CAS No: 100-42-5 EC No: 202-851-5</p> <p>CAS No: 120-51-4 EC No: 204-402-9</p> <p>CAS No: 98-86-2 EC No: 202-708-7</p> <p>CAS No: 97-53-0 EC No: 202-589-1</p>
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SECTION 4: FIRST AID MEASURES

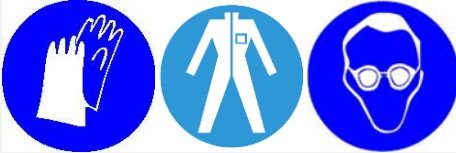
4.1	
DESCRIPTION OF FIRST AID MEASURES	
GENERAL INFORMATION	ALWAYS REMOVE CONTAMINATED CLOTHING IMMEDIATELY.
INHALATION	GET MEDICAL ATTENTION IMMEDIATELY. REMOVE FROM EXPOSURE SITE TO FRESH AIR, KEEP AT REST, AND OBTAIN MEDICAL ATTENTION.
INGESTION	GET MEDICAL ATTENTION IMMEDIATELY. RINSE MOUTH WITH WATER AND OBTAIN MEDICAL ATTENTION. 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)	INHALATION - MAY CAUSE COUGHING AND DIFFICULTIES IN BREATHING. INGESTION - IRRITATING TO THE RESPIRATORY TRACT AND MAY CAUSE DAMAGE TO THE CENTRAL NERVOUS SYSTEM. SKIN CONTACT - TOXIC IN CONTACT WITH SKIN. EYE CONTACT - MAY CAUSE EYE IRRITATION.
4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION OR SPECIAL TREATMENT REQUIRED	NONE EXPECTED, SEE SECTION 4.1 FOR FURTHER INFORMATION.

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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. UNSUITABLE EXTINGUISHING MEDIA: DO NOT USE WATER JET AS AN EXTINGUISHER, AS THIS MAY SCATTER AND SPREAD FIRE.
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 7. REFER & CONSIDER SECTION 8. 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	
8.1 CONTROL PARAMETERS	LINALOOL (CAS: 78-70-6) INGREDIENT COMMENTS : NO EXPOSURE LIMITS NOTED FOR INGREDIENT(S).
8.2 EXPOSURE CONTROLS	
EYE PROTECTION	WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION.
HAND PROTECTION	WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION.
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

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	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	YELLOW TO DARK YELLOW TO REDDISH BROWN.
ODOUR	CHARACTERISTIC.
RELATIVE DENSITY	APPROX. 1.050 @ 20°C
FLASH POINT (°C)	88°C
REFRACTIVE INDEX @ 20 °C	APPROX. 1.602 @ 20°C
SOLUBILITY IN WATER @ 20 °C	INSOLUBLE IN WATER
9.2 OTHER INFORMATION	NO DATA.

SECTION 10: STABILITY & REACTIVITY

10.1 REACTIVITY	PRESENTS NO SIGNIFICANT REACTIVITY HAZARDS. STABLE UNDER NORMAL TEMPERATURE CONDITIONS AND RECOMMENDED USE.
10.2 CHEMICAL STABILITY	STABLE UNDER SUGGESTED STORAGE CONDITIONS (<15°C).
10.3 POSSIBILITY OF HAZARDOUS REACTIONS	NO.
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	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) : NOT CLASSIFIED ACUTE TOXICITY (DERMAL) : TOXIC IN CONTACT WITH SKIN. NOTE THE CLP ADDITIVITY CALCULATION CLASSIFIES PRODUCT AS HARMFUL IN CONTACT WITH SKIN. HOWEVER, REACH REGISTRATION DATA SHOWS PRODUCT IS TOXIC IN CONTACT WITH SKIN.

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	<p>ACUTE TOXICITY (INHALATION) : NOT CLASSIFIED</p> <p>CASSIA OIL (8007-80-5 / 8015-91-6)</p> <p>LD50 ORAL RAT > 2000 MG/KG BODYWEIGHT</p> <p>LD50 DERMAL RABBIT 332 MG/KG BODYWEIGHT</p> <p>STYRENE (100-42-5)</p> <p>LC50 INHALATION RAT (VAPOURS - MG/L/4H) 11 MG/L/4H</p> <p>BENZALDEHYDE (100-52-7)</p> <p>LD50 ORAL 1430 MG/KG BODYWEIGHT</p> <p>ACETOPHENONE (98-86-2)</p> <p>LD50 ORAL 500 MG/KG BODYWEIGHT</p> <p>SALICYLALDEHYDE (90-02-8)</p> <p>LD50 ORAL 520 MG/KG BODYWEIGHT</p> <p>LD50 DERMAL 3000 MG/KG BODYWEIGHT</p> <p>PHENETHYL ACETATE (103-45-7)</p> <p>LD50 ORAL 3670 MG/KG BODYWEIGHT</p> <p>PHENETHYL ALCOHOL (60-12-8)</p> <p>LD50 ORAL 1610 MG/KG BODYWEIGHT</p> <p>LD50 DERMAL 2500 MG/KG BODYWEIGHT</p> <p>CINNAMALDEHYDE (104-55-2)</p> <p>LD50 ORAL 2500 MG/KG BODYWEIGHT</p> <p>LD50 DERMAL 1100 MG/KG BODYWEIGHT</p> <p>EUGENOL (97-53-0)</p> <p>LD50 ORAL 2500 MG/KG BODYWEIGHT</p> <p>COUMARIN (91-64-5)</p> <p>LD50 ORAL 500 MG/KG BODYWEIGHT</p> <p>BENZYL BENZOATE (120-51-4)</p> <p>LD50 ORAL 1500 MG/KG BODYWEIGHT</p> <p>LD50 DERMAL 4000 MG/KG BODYWEIGHT</p> <p>CINNAMYL ALCOHOL (104-54-1)</p> <p>LD50 ORAL 2500 MG/KG BODYWEIGHT</p>
SKIN IRRITATION	<p>HARMFUL IN CONTACT WITH SKIN.</p> <p>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.</p> <p>MAY CAUSE AN ALLERGIC REACTION BY SKIN CONTACT.</p>
EYE DAMAGE OR IRRITATION	CAUSES SERIOUS EYE IRRITATION.
RESPIRATORY OR SKIN SENSITIVITY	SKIN – MAY CAUSE AN ALLERGIC SKIN REACTION.
GERM CELL MUTAGENICITY	NO DATA
CARCINOGENICITY	CAS 91-64-5 : IARC GROUP 3 : THE AGENT IS NOT CLASSIFIABLE AS TO ITS CARCINOGENICITY TO HUMANS.
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>THE CLP ADDITIVITY CALCULATION CLASSIFIES THE PRODUCT AS HARMFUL TO AQUATIC LIFE WITH LONG LASTING EFFECTS. HOWEVER, ACCORDING TO REACH REGISTRATION DATA THE PRODUCT IS NOT CONSIDERED HARMFUL TO AQUATIC ORGANISMS NOR TO CAUSE LONG-TERM ADVERSE EFFECTS IN THE ENVIRONMENT.</p> <p>CASSIA OIL (8007-80-5 / 8015-91-6)</p> <p>EC50 DAPHNIA 1 3.8 MG/L</p> <p>EC50 72H ALGAE (1) 3.3 MG/L</p>
12.2 PERSISTENCE & DEGRADABILITY	NO DATA

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12.3 BIO- ACCUMULATIVE POTENTIAL	NO DATA
12.4 MOBILITY IN SOIL	CONSIDERED AS A READILY BIODEGRADABLE NCS. BASED ON THE READY BIODEGRADABILITY OF THE NCS, SIMULATION TESTS IN SURFACE WATER, SEDIMENT AND SOIL ARE NOT REQUIRED IN ACCORDANCE WITH EFFECTS.
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	
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.

SECTION 14: TRANSPORT INFORMATION	
14.1 TRANSPORT INFORMATION	
UN NUMBER	ROAD: UN2810 RAIL: UN2810 AIR: UN2810
14.2 UN SHIPPING NAME	TOXIC LIQUID, ORGANIC, N.O.S
14.3 TRANSPORT HAZARD CLASS(ES)	<p>ADR/RID ADR/RID— CLASS 6.1 CLASSIFICATION CODE (ADR) : T1 SPECIAL PROVISIONS (ADR) : 274, 614 LIMITED QUANTITIES (ADR) : 5L EXCEPTED QUANTITIES (ADR) : E1 PACKING INSTRUCTIONS (ADR) : P001, IBC03, LP01, R001 PORTABLE TANK AND BULK CONTAINER INSTRUCTIONS (ADR) : T7 PORTABLE TANK AND BULK CONTAINER SPECIAL PROVISIONS (ADR) : TP1, TP28 TANK CODE (ADR) : L4BH TANK SPECIAL PROVISIONS (ADR) : TU15, TE19 VEHICLE FOR TANK CARRIAGE : AT TRANSPORT CATEGORY (ADR) : 2 SPECIAL PROVISIONS FOR CARRIAGE - PACKAGES (ADR) : V12 SPECIAL PROVISIONS FOR CARRIAGE - LOADING, UNLOADING AND HANDLING (ADR) : CV13, CV28 SPECIAL PROVISIONS FOR CARRIAGE - OPERATION (ADR) : S9 HAZARD IDENTIFICATION NUMBER (KEMLER NO.) : 60 TUNNEL RESTRICTION CODE (ADR) : E EAC CODE : 2X APP CODE : B</p> <p>IMDG IMDG – CLASS 6.1 SPECIAL PROVISIONS (IMDG) : 223, 274 PACKING INSTRUCTIONS (IMDG) : P001, LP01 IBC PACKING INSTRUCTIONS (IMDG) : IBC03 TANK INSTRUCTIONS (IMDG) : T7 TANK SPECIAL PROVISIONS (IMDG) : TP1, TP28 EMS-NO. (FIRE) : F-A EMS-NO. (SPILLAGE) : S-A STOWAGE CATEGORY (IMDG) : A STOWAGE AND HANDLING (IMDG) : SW2 PROPERTIES AND OBSERVATIONS (IMDG) : TOXIC IF SWALLOWED, BY SKIN CONTACT OR BY INHALATION.</p>

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	<p>ICAO/IATA ICAO/IATA— CLASS 6.1 PCA EXCEPTED QUANTITIES (IATA) : E1 PCA LIMITED QUANTITIES (IATA) : Y642 PCA LIMITED QUANTITY MAX NET QUANTITY (IATA) : 2L PCA PACKING INSTRUCTIONS (IATA) : 655 PCA MAX NET QUANTITY (IATA) : 60L CAO PACKING INSTRUCTIONS (IATA) : 663 CAO MAX NET QUANTITY (IATA) : 220L SPECIAL PROVISIONS (IATA) : A3, A4, A137 ERG CODE (IATA) : 6L</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	NOT AN ENVIRONMENTALLY HAZARDOUS SUBSTANCE/MARINE POLLUTANT.
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 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 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

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HAZARD AND/ OR PRECAUTIONARY STATEMENTS IN FULL	<p>H226 FLAMMABLE LIQUID AND VAPOUR. H301 TOXIC IF SWALLOWED. H302 HARMFUL IF SWALLOWED. H304 MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS. H311 TOXIC IN CONTACT WITH SKIN. H312 HARMFUL IN CONTACT WITH SKIN. H315 CAUSES SKIN IRRITATION. H317 MAY CAUSE AN ALLERGIC SKIN REACTION. H318 CAUSES SERIOUS EYE DAMAGE. H319 CAUSES SERIOUS EYE IRRITATION. H332 HARMFUL IF INHALED. H331 TOXIC IF INHALED. H332 HARMFUL IF INHALED. H335 MAY CAUSE RESPIRATORY IRRITATION. H361 SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD. H372 CAUSES DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE. H400 VERY TOXIC TO AQUATIC LIFE. H411 TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS. H412 HARMFUL TO AQUATIC LIFE WITH LONG LASTING EFFECTS.</p> <p>OTHER INFORMATION: THE CLP ADDITIVITY CALCULATION SHOWS: H312 HARMFUL IN CONTACT WITH SKIN. H412 HARMFUL TO AQUATIC LIFE WITH LONG LASTING EFFECTS. HOWEVER, PRODUCT HAS BEEN CLASSIFIED ACCORDING TO REACH DATA: H311 TOXIC IN CONTACT WITH SKIN. NOT CLASSIFIED AS H412 HARMFUL 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.

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