

AKÖMA™

FROM THE HEART

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	LAVENDER (FRENCH) ESSENTIAL OIL				
Biological Definition	BLENDED MIXTURE OF LAVENDER OILS (LAVANDULA ANGUSTIFOLIA L.), AND OTHER LAVANDULA SPP. AND FRACTIONS THEREOF. THE ESTER CONTENT IS MAINTAINED AT 40-42% BY ADJUSTMENT WITH LINALYL ACETATE.				
INCI Name	LAVANDULA ANGUSTIFOLIA FLOWER OIL.				
Synonyms & Trade Names	-				
Internal Product Code	K0251				
CAS-No	90063-37-9	EC No.	289-995-2	EINECS No.	289-995-2
1.2 Details of the supplier of the safety data sheet					
Company Address	Akoma International (UK) LTD Unit 9A Sawley Park Nottingham Road Derby DE21 6AS Tel: +44 (0) 1332 613 967				
Email	technical@akoma.biz				
1.3 Details of the supplier of the safety data sheet					
Emergency Contacts	Mr. Wynn Mensah – Tel: 01332 613 967				

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)	SKIN IRRITATION, CATEGORY 2 (SKIN IRRIT. 2, H315). EYE IRRITATION, CATEGORY 2 (EYE IRRIT. 2, H319). SKIN SENSITISATION, CATEGORY 1B (SKIN SENS. 1B, H317). HAZARDOUS TO THE AQUATIC ENVIRONMENT - CHRONIC HAZARD, CATEGORY 2 (AQUATIC CHRONIC 2, H411). THIS MIXTURE DOES NOT PRESENT A PHYSICAL HAZARD. REFER TO THE RECOMMENDATIONS REGARDING THE OTHER PRODUCTS PRESENT ON THE SITE.

Akoma International (UK) LTD

Unit 9A Sawley Park

Nottingham Road



Derby

DE21 6AS

Tel: +44 (0) 1332 613 967

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Lavender (French) Essential Oil - MSDS

2.2	
Label Elements	LABEL IN ACCORDANCE WITH REGULATION (EC) NO 1272/2008.
GHS Label	  GHS07 GHS09
Signal Word	WARNING.
Contains	601-029-00-7 (R)-P-MENTHA-1,8-DIENE EC 207-431-5 EUCALYPTOL.
Hazards Statement	H315 CAUSES SKIN IRRITATION. H317 MAY CAUSE AN ALLERGIC SKIN REACTION. H319 CAUSES SERIOUS EYE IRRITATION. H411 TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.
Precautionary Statements	P273 AVOID RELEASE TO THE ENVIRONMENT. 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. P333 + P313 IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ATTENTION. P391 COLLECT SPILLAGE. P501 DISPOSE OF CONTENTS/CONTAINER IN ACCORDANCE WITH LOCAL/REGIONAL/NATIONAL/INTERNATIONAL REGULATIONS
SECTION 1 6 (OTHER INFORMATION): RISK & SAFETY PHRASES IN FULL.	
2.3	
Other Hazards	
Adverse physio-chemical properties	COMBUSTIBLE BUT SHOULD NOT SELF-IGNITE.
Adverse effects on human health	SKIN CONTACT MAY CAUSE IRRITATION/SENSITISATION.
PBT OR VPVB ACCORDING TO ANNEX XIII	NONE.
SECTION 3: Composition of Ingredients	
3.1	
Mixtures	<p>25-50% LINALOOL CAS-NO.: 78-70-6 EC NO.: 201-134-4 CLASSIFICATION (EC 1272/2008) ACUTE TOX. 5 - H303, SKIN IRRIT. 2 - H315, AQUATIC ACUTE 3 - H402</p> <p>40-50% LINALYL ACETATE CAS: 115-95-7, EINECS: 204-116-4 CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2, H315; EYE IRRIT. 2, H319</p> <p>2.5-10% (R)-P-MENTHA-1,8-DIENE CAS: 5989-27-5, EC: 227-813-5 CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3, H226, SKIN IRRIT. 2, H315, SKIN SENS. 1, H317, AQUATIC ACUTE 1, H400 M ACUTE = 1, AQUATIC CHRONIC 1, H410 M CHRONIC = 1</p> <p><2.5% EUCALYPTOL CAS-NO.: 4602-84-0 EC NO.: 225-004-1 CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3, H226; SKIN SENS. 1B, H317</p> <p><2.5% CAMPHOR CAS: 76-22-2, EC: 200-945-0 CLASSIFICATION (EC 1272/2008) ACUTE TOX. 4, H332, ACUTE TOX. 4, H302, FLAM. SOL. 2, H228, STOT SE 2, H371</p>

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DE21 6AS

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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.
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.

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, AND 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 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.
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SECTION 8: Exposure Controls & Personal Protection

8.1 Control Parameters	<p>Occupational exposure limits: - ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :</p> <table border="0"> <tr> <td>CAS</td> <td>TWA:</td> <td>STEL:</td> <td>Ceiling:</td> <td>Definition:</td> <td>Criteria:</td> </tr> <tr> <td>76-22-2</td> <td>2ppm</td> <td>3ppm</td> <td>-</td> <td>-</td> <td>-</td> </tr> </table> <p>- France (INRS - ED984 :2008):</p> <table border="0"> <tr> <td>CAS</td> <td>VME-ppm:</td> <td>VME-mg/m3:</td> <td>VLE-ppm :</td> <td>VLE-mg/m3:</td> <td>Notes:</td> <td>TMP No:</td> </tr> <tr> <td>76-22-2</td> <td>2</td> <td>12</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> </table> <p>- UK/ WEL (Workplace exposure limits, EH40/2005, 2007):</p> <table border="0"> <tr> <td>CAS</td> <td>TWA:</td> <td>STEL:</td> <td>Ceiling:</td> <td>Definition:</td> <td>Criteria :</td> </tr> <tr> <td>76-22-2</td> <td>2ppm</td> <td>3ppm</td> <td>-</td> <td>-</td> <td>-</td> </tr> </table> <p>Derived no effect level (DNEL) or derived minimum effect level (DMEL): LINALOOL(CAS: 78-70-6) Final use: Workers.</p> <p>Exposure method: Dermal contact. Potential health effects: Short term systemic effects. DNEL: 5mg/kg body weight/day.</p> <p>Exposure method: Dermal contact. Potential health effects: Short term local effects.</p> <p>DNEL : 15 MG OF SUBSTANCE/CM2</p> <p>EXPOSURE METHOD: DERMAL CONTACT. POTENTIAL HEALTH EFFECTS: LONG TERM SYSTEMIC EFFECTS. DNEL : 2.5 MG/KG BODY WEIGHT/DAY</p> <p>EXPOSURE METHOD: DERMAL CONTACT. POTENTIAL HEALTH EFFECTS: LONG TERM LOCAL EFFECTS. DNEL : 15 MG OF SUBSTANCE/CM2</p> <p>EXPOSURE METHOD: INHALATION. POTENTIAL HEALTH EFFECTS: SHORT TERM SYSTEMIC EFFECTS. DNEL : 16.5 MG OF SUBSTANCE/M3</p> <p>EXPOSURE METHOD: INHALATION. POTENTIAL HEALTH EFFECTS: LONG TERM SYSTEMIC EFFECTS. DNEL : 2.8 MG OF SUBSTANCE/M3</p> <p>EXPOSURE METHOD: INHALATION. POTENTIAL HEALTH EFFECTS: SHORT TERM SYSTEMIC EFFECTS. DNEL : 16.5 MG OF SUBSTANCE/M3</p>	CAS	TWA:	STEL:	Ceiling:	Definition:	Criteria:	76-22-2	2ppm	3ppm	-	-	-	CAS	VME-ppm:	VME-mg/m3:	VLE-ppm :	VLE-mg/m3:	Notes:	TMP No:	76-22-2	2	12	-	-	-	-	CAS	TWA:	STEL:	Ceiling:	Definition:	Criteria :	76-22-2	2ppm	3ppm	-	-	-
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Akoma International (UK) LTD

Unit 9A Sawley Park

Nottingham Road

Derby

DE21 6AS

Tel: +44 (0) 1332 613 967

E-mail: support@akoma.zendesk.com

EXPOSURE METHOD: INHALATION.
POTENTIAL HEALTH EFFECTS: LONG TERM SYSTEMIC EFFECTS.
DNEL : 2.8 MG OF SUBSTANCE/M3

FINAL USE: CONSUMERS.

EXPOSURE METHOD: INGESTION.
POTENTIAL HEALTH EFFECTS: SHORT TERM SYSTEMIC EFFECTS.
DNEL : 1.2 MG/KG BODY WEIGHT/DAY

EXPOSURE METHOD: INGESTION.
POTENTIAL HEALTH EFFECTS: LONG TERM SYSTEMIC EFFECTS.
DNEL : 0.2 MG/KG BODY WEIGHT/DAY

EXPOSURE METHOD: INGESTION.
POTENTIAL HEALTH EFFECTS: SHORT TERM SYSTEMIC EFFECTS.
DNEL : 1.2 MG/KG BODY WEIGHT/DAY

EXPOSURE METHOD: INGESTION.
POTENTIAL HEALTH EFFECTS: LONG TERM SYSTEMIC EFFECTS.
DNEL : 0.2 MG/KG BODY WEIGHT/DAY

EXPOSURE METHOD: DERMAL CONTACT.
POTENTIAL HEALTH EFFECTS: SHORT TERM SYSTEMIC EFFECTS.
DNEL : 2.5 MG/KG BODY WEIGHT/DAY

EXPOSURE METHOD: DERMAL CONTACT.
POTENTIAL HEALTH EFFECTS: SHORT TERM LOCAL EFFECTS.
DNEL : 15 MG OF SUBSTANCE/CM2

EXPOSURE METHOD: DERMAL CONTACT.
POTENTIAL HEALTH EFFECTS: LONG TERM SYSTEMIC EFFECTS.
DNEL : 1.25 MG/KG BODY WEIGHT/DAY

EXPOSURE METHOD: DERMAL CONTACT.
POTENTIAL HEALTH EFFECTS: LONG TERM LOCAL EFFECTS.
DNEL : 15 MG OF SUBSTANCE/CM2

EXPOSURE METHOD: DERMAL CONTACT.
POTENTIAL HEALTH EFFECTS: SHORT TERM SYSTEMIC EFFECTS.
DNEL : 2.5 MG/KG BODY WEIGHT/DAY

EXPOSURE METHOD: DERMAL CONTACT.
POTENTIAL HEALTH EFFECTS: SHORT TERM LOCAL EFFECTS.
DNEL : 15 MG OF SUBSTANCE/CM2

EXPOSURE METHOD: DERMAL CONTACT.
POTENTIAL HEALTH EFFECTS: LONG TERM SYSTEMIC EFFECTS.
DNEL : 1.25 MG/KG BODY WEIGHT/DAY

EXPOSURE METHOD: DERMAL CONTACT.
POTENTIAL HEALTH EFFECTS: LONG TERM LOCAL EFFECTS.
DNEL : 15 MG OF SUBSTANCE/CM2

EXPOSURE METHOD: INHALATION.
POTENTIAL HEALTH EFFECTS: SHORT TERM SYSTEMIC EFFECTS.
DNEL : 4.1 MG OF SUBSTANCE/M3

EXPOSURE METHOD: INHALATION.
POTENTIAL HEALTH EFFECTS: LONG TERM SYSTEMIC EFFECTS.
DNEL : 0.7 MG OF SUBSTANCE/M3

EXPOSURE METHOD: INHALATION.
POTENTIAL HEALTH EFFECTS: SHORT TERM SYSTEMIC EFFECTS.
DNEL : 4.1 MG OF SUBSTANCE/M3

EXPOSURE METHOD: INHALATION.
POTENTIAL HEALTH EFFECTS: LONG TERM SYSTEMIC EFFECTS.
DNEL : 0.7 MG OF SUBSTANCE/M3

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	<p>PREDICTED NO EFFECT CONCENTRATION (PNEC): LINALOOL (CAS: 78-70-6)</p> <p>ENVIRONMENTAL COMPARTMENT: SOIL. PNEC : 0.327 MG/KG</p> <p>ENVIRONMENTAL COMPARTMENT: SOIL. PNEC : 0.327 MG/KG</p> <p>ENVIRONMENTAL COMPARTMENT: FRESH WATER. PNEC : 0.2 MG/L</p> <p>ENVIRONMENTAL COMPARTMENT: FRESH WATER. PNEC : 0.2 MG/L</p> <p>ENVIRONMENTAL COMPARTMENT: SEA WATER. PNEC : 0.02 MG/L</p> <p>ENVIRONMENTAL COMPARTMENT: SEA WATER. PNEC : 0.02 MG/L</p> <p>ENVIRONMENTAL COMPARTMENT: INTERMITTENT WASTE WATER. PNEC : 2 MG/L</p> <p>ENVIRONMENTAL COMPARTMENT: INTERMITTENT WASTE WATER. PNEC : 2 MG/L</p> <p>ENVIRONMENTAL COMPARTMENT: FRESH WATER SEDIMENT. PNEC : 2.22 MG/KG</p> <p>ENVIRONMENTAL COMPARTMENT: FRESH WATER SEDIMENT. PNEC : 2.22 MG/KG</p> <p>ENVIRONMENTAL COMPARTMENT: MARINE SEDIMENT. PNEC : 0.222 MG/KG</p> <p>ENVIRONMENTAL COMPARTMENT: MARINE SEDIMENT. PNEC : 0.222 MG/KG</p> <p>ENVIRONMENTAL COMPARTMENT: WASTE WATER TREATMENT PLANT. PNEC : 10 MG/L</p> <p>ENVIRONMENTAL COMPARTMENT: WASTE WATER TREATMENT PLANT. PNEC : 10 MG/L</p>
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 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	NONE.
SKIN PROTECTION	WEAR PROTECTIVE CLOTHING TO REDUCE THE RISK OF SKIN AND EYE CONTACT.

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PERSONAL PROTECTION	AVOID INHALATION OF THE PRODUCT. AVOID CONTACT WITH SKIN AND EYES.
OTHER PROTECTION	AVOID SKIN CONTACT. WEAR SUITABLE PROTECTIVE CLOTHING. SUITABLE TYPE OF PROTECTIVE CLOTHING : IN THE EVENT OF SUBSTANTIAL SPATTER, WEAR LIQUID-TIGHT PROTECTIVE CLOTHING AGAINST CHEMICAL RISKS (TYPE 3) IN ACCORDANCE WITH EN1 4605 TO PREVENT SKIN CONTACT. IN THE EVENT OF A RISK OF SPLASHING, WEAR PROTECTIVE CLOTHING AGAINST CHEMICAL RISKS (TYPE 6) IN ACCORDANCE WITH EN1 3034 TO PREVENT SKIN CONTACT. WORK CLOTHING WORN BY PERSONNEL SHALL BE LAUNDERED REGULARLY. AFTER CONTACT WITH THE PRODUCT, ALL PARTS OF THE BODY THAT HAVE BEEN SOILED MUST BE WASHED.
PROCESS CONDITIONS	ENSURE AREA IS WELL VENTILATED. AVOID VAPOUR INHALATION. SAFETY SHOWER & EYE BATH.
ENVIRONMENTAL 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
Relative Density	0.874 – 0.884 @ 20°C
Flash Point (°C)	71°C.
Refractive Index	1.456 – 1.466 @ 20°C
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).
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 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	CAMPHOR L(XN68)=10% X (CAS: 76-22-2) ORAL ROUTE : LD50 = 1 500 MG/KG INHALATION ROUTE : LC50 = 1.5 MG/L EUCALYPTOL (CAS: 470-82-6) ORAL ROUTE : LD50 = 2480 MG/KG LINALOOL (CAS: 78-70-6) ORAL ROUTE: LD50 = 2790 MG/KG.
Skin irritation	CONSIDERED A SKIN IRRITANT (ROUTE: DRM). THERE MAY BE IRRITATION AND REDNESS AT SITE OF CONTACT.
Eye damage or irritation	THERE MAY BE IRRITATION AND REDNESS. EYES WILL WATER PROFUSELY.
Respiratory or skin sensitivity	ON INGESTION: THERE MAY BE SORENESS AND REDNESS OF THE MOUTH AND THROAT. NAUSEA AND STOMACH PAIN MAY OCCUR. THERE MAY BE VOMITING. ON INHALATION: THERE MAY BE IRRITATION OF THE THROAT WITH A FEELING OF TIGHTNESS IN THE CHEST.
Germ cell mutagenicity	NOT APPLICABLE.
Carcinogenicity	NOT APPLICABLE.
Reproductive toxicity	NOT APPLICABLE.
STOT – single exposure	NOT APPLICABLE.
STOT – repeated exposure	NOT APPLICABLE.
Aspiration hazard	MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.
Other information	NO DATA.

SECTION 12: Ecological Information

12.1 Toxicity	AQUATIC LIFE: VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS. FISH/AQUATIC VERTEBRATES: NO ADDITIONAL DATA AVAILABLE. PNECS: NO ADDITIONAL DATA AVAILABLE.
12.2 Persistence & degradability	THIS MATERIAL IS CONSIDERED READILY BIODEGRADABLE, THEREFORE DOES NOT FULFIL THE CRITERIA FOR PERSISTENCE.
12.3 Bio- accumulative potential	BIOACCUMULATION POTENTIAL.
12.4 Mobility in soil	THIS MATERIAL IS CONSIDERED READILY BIODEGRADABLE, THEREFORE SIMULATION TESTS IN SURFACE WATER, SEDIMENT AND SOIL ARE NOT REQUIRED IN ACCORDANCE WITH COLUMN 2 OF REACH ANNEX IX.
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 14: Transport Information

14.1 Transport Information

UN NUMBER	ROAD: 3082 SEA: 3082 AIR: 3082																																																																																																													
14.2 UN SHIPPING NAME	ENVIRONMENTALLY HAZARDOUS SUBSTANCE																																																																																																													
14.3 TRANSPORT HAZARD CLASS(ES)	ADR/RID/ADN CLASS: 9: MISCELLANEOUS DANGEROUS SUBSTANCES AND ARTICLES. IMDG CLASS: 9: MISCELLANEOUS DANGEROUS SUBSTANCES AND ARTICLES. ICAO CLASS/DIVISION: 9: MISCELLANEOUS DANGEROUS SUBSTANCES AND ARTICLES. TRANSPORT LABELS 																																																																																																													
14.4 PACKING GROUP	ADR/RID/ADN 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	<table border="0"> <tr> <td>ADR/RID</td> <td>CLASS</td> <td>CODE</td> <td>PACK GR.</td> <td>LABEL</td> <td>IDENT.</td> <td>LQ</td> <td>PROVIS.</td> <td>EQ</td> <td>CAT.</td> </tr> <tr> <td>TUNNEL</td> <td>9</td> <td>M6</td> <td>III</td> <td>9</td> <td>90</td> <td>5 L</td> <td>274 335 601</td> <td>E1</td> <td>3 E</td> </tr> <tr> <td>IMDG</td> <td>CLASS</td> <td>2° LABEL</td> <td>PACK GR.</td> <td>LQ</td> <td>EMS</td> <td>PROVIS.</td> <td>EQ</td> <td colspan="2"></td> </tr> <tr> <td></td> <td>9</td> <td>-</td> <td>III</td> <td>5 L</td> <td>F-A,S-F</td> <td>274 335</td> <td>E1</td> <td colspan="2"></td> </tr> <tr> <td>IATA</td> <td>CLASS</td> <td>2° LABEL</td> <td>PACK GR.</td> <td>PASSAGER</td> <td>PASSAGER</td> <td>CARGO</td> <td>CARGO</td> <td colspan="2"></td> </tr> <tr> <td>NOTE</td> <td></td> <td>EQ</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td colspan="2"></td> </tr> <tr> <td></td> <td>9</td> <td>-</td> <td>III</td> <td>964</td> <td>450 L</td> <td>964</td> <td>450 L</td> <td colspan="2">A97 /</td> </tr> <tr> <td>A158</td> <td>E1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td colspan="2"></td> </tr> <tr> <td></td> <td>9</td> <td>-</td> <td>III</td> <td>Y964</td> <td>30 KG G</td> <td>-</td> <td>-</td> <td colspan="2">A97 /</td> </tr> <tr> <td>A158</td> <td>E1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td colspan="2"></td> </tr> </table> <p>FOR LIMITED QUANTITIES, SEE PART 2.7 OF THE OACI/IATA AND CHAPTER 3.4 OF THE ADR AND IMDG.</p>										ADR/RID	CLASS	CODE	PACK GR.	LABEL	IDENT.	LQ	PROVIS.	EQ	CAT.	TUNNEL	9	M6	III	9	90	5 L	274 335 601	E1	3 E	IMDG	CLASS	2° LABEL	PACK GR.	LQ	EMS	PROVIS.	EQ				9	-	III	5 L	F-A,S-F	274 335	E1			IATA	CLASS	2° LABEL	PACK GR.	PASSAGER	PASSAGER	CARGO	CARGO			NOTE		EQ									9	-	III	964	450 L	964	450 L	A97 /		A158	E1										9	-	III	Y964	30 KG G	-	-	A97 /		A158	E1								
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Akoma International (UK) LTD

Unit 9A Sawley Park

Nottingham Road

Derby

DE21 6AS

Tel: +44 (0) 1332 613 967

E-mail: support@akoma.zendesk.com

Lavender (French) Essential Oil - MSDS

	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.	NOT APPLICABLE.

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 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 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	H226 FLAMMABLE LIQUID AND VAPOUR. H228 FLAMMABLE SOLID. H302 HARMFUL IF SWALLOWED. H315 CAUSES SKIN IRRITATION. H317 MAY CAUSE AN ALLERGIC SKIN REACTION. H319 CAUSES SERIOUS EYE IRRITATION. H332 HARMFUL IF INHALED. H371 MAY CAUSE DAMAGE TO ORGANS. H400 VERY TOXIC TO AQUATIC LIFE. H410 VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.
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.

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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.

Legal Disclaimer:

The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is supplied without warranty, expressed or implied, regarding its correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product, and to assume liability for loss, injury, damage or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification, or for any given application, and buyers should seek to verify their requirements and product use.



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