

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	JUNIPERBERRY ESSENTIAL OIL				
Biological Definition	JUNIPERUS COMMUNIS FRUIT OIL IS THE VOLATILE OIL OBTAINED FROM THE BERRIES OF THE JUNIPER, JUNIPERUS COMMUNIS L., CUPRESSACEAE.				
INCI Name	JUNIPERUS COMMUNIS FRUIT				
Synonyms & Trade Names	-				
Internal Product Code	K0238				
CAS-No	8002-68-4 / 73049-62-4 / 84603-69-0	EC No.	283-268-3	EINECS No.	283-268-3
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)	H226 FLAMMABLE LIQUID AND VAPOUR, HAZARD CATEGORY 3 H315 SKIN IRRITATION, CATEGORY 2 H317 SKIN SENSITISATION, CATEGORY 1 H304 ASPIRATION HAZARD, CATEGORY 1 H410 ENVIRONMENTAL HAZARD, CHRONIC, CATEGORY 1

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2.2	
Label Elements LABEL IN ACCORDANCE WITH REGULATION (EC) NO 1272/2008.	
GHS Label	    GHS07 GHS08 GHS09 GHS02
Signal Word	DANGER..
Contains	ALPHA PINENE, BETA PINENE, LIMONENE, BETA-CARYOPHYLLENE
Hazards Statement	H226 FLAMMABLE LIQUID AND VAPOUR H315 CAUSES SKIN IRRITATION H317 MAY CAUSE AN ALLERGIC SKIN REACTION H304 MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS H410 VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.
Precautionary Statements	P210, KEEP AWAY FROM HEAT, SPARKS, OPEN FLAMES AND HOT SURFACES. - NO SMOKING. P233, KEEP CONTAINER TIGHTLY CLOSED. P240, GROUND/BOND CONTAINER AND RECEIVING EQUIPMENT. P241, USE EXPLOSION-PROOF ELECTRICAL, VENTILATING AND LIGHTING EQUIPMENT. P242, USE ONLY NON-SPARKING TOOLS. P243, TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGE. P261, AVOID BREATHING VAPOUR OR DUST. P264, WASH HANDS AND OTHER CONTACTED SKIN THOROUGHLY AFTER HANDLING. P272, CONTAMINATED WORK CLOTHING SHOULD NOT BE ALLOWED OUT OF THE WORKPLACE. P273, AVOID RELEASE TO THE ENVIRONMENT. P280, WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION. P301/310, IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN. P303/361/353, IF ON SKIN (OR HAIR): REMOVE/TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/SHOWER. P331, DO NOT INDUCE VOMITING. P333/313, IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ATTENTION. P362, TAKE OFF CONTAMINATED CLOTHING AND WASH BEFORE REUSE. P370/378, IN CASE OF FIRE: USE CARBON DIOXIDE, DRY CHEMICAL, AND FOAM FOR EXTINCTION. P391, COLLECT SPILLAGE. P403/235, STORE IN A WELL-VENTILATED PLACE. KEEP COOL. P501, DISPOSE OF CONTENTS/CONTAINER TO APPROVED DISPOSAL SITE, IN ACCORDANCE WITH LOCAL REGULATIONS
Supplementary Precautionary Statements	NONE
SECTION 1 6 (OTHER INFORMATION): RISK & SAFETY PHRASES IN FULL.	
2.3	
Other Hazards	
Adverse physio-chemical properties	NONE.
Adverse effects on human health	NONE.
PBT OR VPVB ACCORDING TO ANNEX XIII	NONE.
SECTION 3: Composition of Ingredients	

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3.1 Mixtures	25.0 - 50.0% ALPHA-PINENE CAS-NO.: 80-56-8 EC NO.: 201-291-9 CLASSIFICATION (EC 1272/2008) FL 3-SCI 2-SS 1B-AH 1-EH, A1-EH C1; H226-H304-H315-H317-H410
	25.0 - 50.0% BETA-PINENE CAS-NO.: 127-91-3 EC NO.: 204-872-5 CLASSIFICATION (EC 1272/2008) FL 3-SCI 2-SS 1B-AH 1-EHA1-EH C1; H226-H304-H315-H317-H410
	< 5.0% LIMONENE CAS-NO.: 5989-27-5 EC NO.: 227-813-5 CLASSIFICATION (EC 1272/2008) FL 3-SCI 2-SS 1B-AH 1-EH A1-EH C1; H226-H304-H315-H317-H410
	< 5.0% BETA-CARYOPHYLLENE CAS-NO.: 87-44-5 EC NO.: 201-746-1 CLASSIFICATION (EC 1272/2008) AH 1;H304
	< 5.0% CAMPHENE CAS-NO.: 79-92-5 EC NO.: 201-243-8 CLASSIFICATION (EC 1272/2008) FS 2-EDI 2-EH A1-EH C1; H228-H319-H410
	< 1.0% TERPINOLENE CAS-NO.: 586-62-9 EC NO.: 209-578-0 CLASSIFICATION (EC 1272/2008) SS 1B-AH 1-EH A1-EH C1;H304-H317-H410
	< 1.0% MYRCENE CAS-NO.: 123-35-3 EC NO.: 204-622-5 CLASSIFICATION (EC 1272/2008) FL 3-SCI 2-EDI 2-AH 1; H226-H304-H315-H319
< 1.0% PARA-CYMENE CAS-NO.: 99-87-6 EC NO.: 202-796-7 CLASSIFICATION (EC 1272/2008) FL 3-AH 1-EH C2; H226-H304-H411	
< 1.0% ALPHA PHELLANDRENE CAS: 99-83-2, EINECS: 202-792-5 CLASSIFICATION (EC 1272/2008) FL 3-AH 1;H226-H304	

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)	NO DATA.
4.3 Indication of any immediate medical attention or special treatment required	NO DATA..

SECTION 5: Fire Fighting Measures	
5.1 Extinguishing material	FOAM, CO2, DRY CHEMICAL POWDER.
5.2	NONE.

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Special hazards arising from the substance Or mixture	
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.

SECTION 8: Exposure Controls & Personal Protection

8.1 Control Parameters	NONE.
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	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.

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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.
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	RICH BALSAMIC WOODY PINEY
Relative Density	0.858 - 0.874 @ 20°C
Flash Point (°C)	41°C.
Refractive Index	1.468 - 1.482 @ 20°C
Solubility in Water @ 20°C	INSOLUBLE IN WATER.
9.2 Other Information	NO DATA.

SECTION 10: Stability & Reactivity

10.1 Reactivity	STABLE UNDER USUAL STORAGE CONDITIONS.
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	ACUTE ORAL TOXICITY: ORAL-RAT LD50 3270 MG/KG FCT 2, 327 (1964). ACUTE DERMAL TOXICITY: SKIN-RABBIT LD50 > 5000 MG/KG FCT. 12, 917 (1974).
Skin irritation	CAUSES SKIN IRRITATION.
Eye damage or irritation	CAUSES SERIOUS EYE IRRITATION.

Respiratory or skin sensitivity	NOT APPLICABLE.
Germ cell mutagenicity	NOT APPLICABLE.
Carcinogenicity	NOT APPLICABLE.
Reproductive toxicity	NOT APPLICABLE.
STOT – single exposure	NOT APPLICABLE.
STOT – repeated exposure	NOT APPLICABLE.
Aspiration hazard	NOT APPLICABLE.
Other information	NOT APPLICABLE.

SECTION 12: Ecological Information

12.1 Toxicity	VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS. MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT. WHEN SPILLED CAN CONTAMINATE SOIL, GROUND AND SURFACE WATER.
12.2 Persistence & degradability	DEGRADABILITY : NO DATA AVAILABLE.
12.3 Bio- accumulative potential	NONE.
12.4 Mobility in soil	NONE.
12.5 Results of PBT & VPVB assessment	NO DATA.
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.
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SECTION 14: Transport Information

14.1 Transport Information	
UN NUMBER	ROAD: 1169 AIR: 1169 SEA: 1169
14.2 UN SHIPPING NAME	EXTRACTS, AROMATIC, LIQUID
14.3 TRANSPORT HAZARD CLASS(ES)	ADR/RID/ADN – CLASS 3 ADR/RID/ADN – CLASS 3 IMDG – CLASS 3 ICAO – CLASS 3

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	<p>TRANSPORT LABELS</p>  <p>TUNNEL RESTRICTION CODE (D/E) HAZCHEM CODE •3YE EMS F-E, S-D</p>
14.4 PACKING GROUP	<p>ADR/RID/ADN PACKING GROUP – III IMDG PACKING GROUP – III ICAO PACKING GROUP – III</p>
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.	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	AN ASSESSMENT HAS NOT BEEN EXECUTED AS THIS IS NOT A HAZARDOUS MATERIAL ACCORDING TO ARTICLE 31 OF REACH 1907/2006.

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SECTION 16: Other Information

HAZARD AND/ OR PRECAUTIONARY STATEMENTS IN FULL	H226 FLAMMABLE LIQUID AND VAPOUR H228 FLAMMABLE SOLID. H315 CAUSES SKIN IRRITATION H319 CAUSES SERIOUS EYE IRRITATION H317 MAY CAUSE AN ALLERGIC SKIN REACTION H304 MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS 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.
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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