

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	GERANIUM ESSENTIAL OIL				
Biological Definition	THE VOLATILE OIL OBTAINED BY THE STEAM DISTILLATION OF THE FLOWERING HERB PELARGONIUM GRAVEOLENS.				
INCI Name	PELARGONIUM GRAVEOLENS FLOWER				
Synonyms & Trade Names	-				
Internal Product Code	K0199				
CAS-No	90082-51-2 / 8000-46-2	EC No.	290-140-0	EINECS No.	290-140-0
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)	PHYSICAL AND CHEMICAL HAZARDS NOT CLASSIFIED. HUMAN HEALTH SKIN IRRIT. 2 - H315; EYE DAM. 1 - H318; SKIN SENS. 1 - H317; ASP. TOX. 1 -H304 ENVIRONMENT NOT CLASSIFIED.
2.2	
Label Elements	Label in accordance with Regulation (EC) No 1272/2008.

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

GHS Label	   GHS07 GHS08 GHS05
Signal Word	DANGER.
Contains	CITRONELLOL, GERANIOL, MENTHONES, PINENES
Hazards Statement	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.
Precautionary Statements	P280 WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION. P273 AVOID RELEASE TO THE ENVIRONMENT. P301+310 IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN. P302+352 IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER. P305+351+338 IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.
Supplementary Precautionary Statements	P272 CONTAMINATED WORK CLOTHING SHOULD NOT BE ALLOWED OUT OF THE WORKPLACE. P261 AVOID BREATHING VAPOUR/SPRAY. P264 WASH CONTAMINATED SKIN THOROUGHLY AFTER HANDLING. P321 SPECIFIC TREATMENT (SEE MEDICAL ADVICE ON THIS LABEL). P310 IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN. P331 DO NOT INDUCE VOMITING. P332+313 IF SKIN IRRITATION OCCURS: GET MEDICAL ADVICE/ATTENTION. P333+313 IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ATTENTION. P362 TAKE OFF CONTAMINATED CLOTHING AND WASH BEFORE REUSE. P363 WASH CONTAMINATED CLOTHING BEFORE REUSE. P405 STORE LOCKED UP. P501 DISPOSE OF CONTENTS/CONTAINER TO ...
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	NO DATA
SECTION 3: Composition of Ingredients	
3.1 Mixtures	<p>30-60% CITRONELLOL CAS-NO.: 106-22-9 EC NO.: 203-375-0 CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 - H226, SKIN IRRIT. 2 - H315, SKIN SENS. 1 - H317, ASP. TOX. 1 - H304</p> <p>10-30% GERANIOL CAS-NO.: 106-24-1 EC NO.: 203-377-1 CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2 - H315, EYE DAM. 1 - H318, SKIN SENS. 1 - H317</p> <p>5-10% MENTHONES CAS-NO.: 10458-14-7 EC NO.: 233-944-9 CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 - H226, ACUTE TOX. 4 - H302, EYE IRRIT. 2 - H319, SKIN SENS. 1 - H317, AQUATIC CHRONIC 3 - H412</p> <p>5-10% LINALOOL CAS-NO.: 78-70-6 EC NO.: 201-134-4 CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2 - H315</p> <p><1% CITRAL CAS-NO.: 5392-40-5 EC NO.: 226-394-6</p>

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

	<p>CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2 - H315, SKIN SENS. 1 - H317</p> <p>1-5% PINENES CAS-NO.: 80-56-8 EC NO.: 201-291-9 CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 - H226, SKIN IRRIT. 2 - H315, SKIN SENS. 1 - H317, ASP. TOX. 1 - H304</p> <p><1% LIMONENE CAS-NO.: 5989-27-5 EC NO.: 227-813-5 CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 - H226, SKIN IRRIT. 2 - H315, SKIN SENS. 1 - H317, ASP. TOX. 1 - H304 AQUATIC ACUTE 1 - H400, AQUATIC CHRONIC 1 - H410</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.
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)	SYMPTOMS CONTACT: MAY CAUSE AN ALLERGIC REACTION.
4.3 Indication of any immediate medical attention or special treatment required	TREAT SYMPTOMATICALLY.

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. 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	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. AVOID CONTACT WITH EYES. WEAR APPROVED SAFETY GOGGLES. (EN166)
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	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	
Appearance	LIQUID
Colour	CLEAR - YELLOW BROWN - YELLOW GREEN
Odour	CHARACTERISTIC
Relative Density	0.884 – 0.901
Flash Point (°C)	64 °C.
Refractive Index	1.463 – 1.473
Solubility in Water @ 20°C	INSOLUBLE IN WATER SOLUBLE IN ETHANOL.
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	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	THERE IS NO DATA AVAILABLE ON THIS PRODUCT. IT MUST BE CONSIDERED AND HANDLED AND SHOULD BE DEALT WITH THE HIGHEST POSSIBLE CAUTION.
Skin irritation	MAY BE HARMFUL IF ABSORBED THROUGH THE SKIN.
Eye damage or irritation	MAY CAUSE EYE IRRITATION.
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	MAY BE HARMFUL IF INHALED.
Other information	NO DATA.

SECTION 12: Ecological Information

12.1 Toxicity	NO DATA ON POSSIBLE ENVIRONMENTAL EFFECTS HAVE BEEN FOUND. NO DATA ON POSSIBLE ENVIRONMENTAL EFFECTS HAVE BEEN FOUND.
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12.2 Persistence & degradability	NO DATA.
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	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	NA
14.2 UN SHIPPING NAME	NOT SUBJECT TO ADR REGULATIONS.
14.3 TRANSPORT HAZARD CLASS(ES)	NOT SUBJECT TO ADR REGULATIONS.
14.4 PACKING GROUP	NONE.
14.5 ENVIROMENTAL HAZARDS	NO DATA.
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.	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 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).

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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	H318 CAUSES SERIOUS EYE DAMAGE. H319 CAUSES SERIOUS EYE IRRITATION. H315 CAUSES SKIN IRRITATION. H226 FLAMMABLE LIQUID AND VAPOUR. H302 HARMFUL IF SWALLOWED. H412 HARMFUL TO AQUATIC LIFE WITH LONG LASTING EFFECTS. H402 HARMFUL TO AQUATIC LIFE. H304 MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS. H303 MAY BE HARMFUL IF SWALLOWED. H317 MAY CAUSE AN ALLERGIC SKIN REACTION. H410 VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS. H400 VERY TOXIC TO AQUATIC LIFE.
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,

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Derby

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E-mail: support@akoma.zendesk.com

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