

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	CLOVE BUD ESSENTIAL OIL				
Biological Definition	EUGENIA CARYOPHYLLUS BUD OIL IS AN ESSENTIAL OIL STEAM-DISTILLED FROM THE DRIED FLOWER BUDS OF THE CLOVE, SYZYGIUM AROMATICUM, SYN. EUGENIA CARYOPHYLLUS, MYRTACEAE. IT CONTAINS EUGENOL (82-87% INCLUDING ABOUT 10% ACETYLEUGENOL), CARYOPHYLLENE				
INCI Name	EUGENIA CARYOPHYLLUS BUD OIL				
Synonyms & Trade Names	-				
CAS-No	84961-50-2	EC No.	284-638-7	EINECS No.	284-638-7
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 UNITED KINGDOM				
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 HAZARDS: NOT CLASSIFIED. HEALTH HAZARDS: EYE IRRIT. 2 - H319, SKIN SENS. 1 - H317, ASP. TOX. 1 - H3 ENVIRONMENTAL HAZARDS: NOT CLASSIFIED.
2.2	
Label Elements	LABEL IN ACCORDANCE WITH REGULATION (EC) NO 1272/2008.

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GHS Label	 GHS07  GHS08
Signal Word	DANGER.
Contains	EUGENOL, BETA CARYOPHYLLENE.
Hazards Statement	H304: MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS. H317: MAY CAUSE AN ALLERGIC SKIN REACTION. H319 CAUSES SERIOUS EYE IRRITATION.
Precautionary Statements	P280: WEAR PROTECTIVE GLOVES. P264 WASH CONTAMINATED SKIN THOROUGHLY AFTER HANDLING. P272 CONTAMINATED WORK CLOTHING SHOULD NOT BE ALLOWED OUT OF THE WORKPLACE. P302+P352 IF ON SKIN: WASH WITH PLENTY OF WATER. P321 SPECIFIC TREATMENT (SEE MEDICAL ADVICE ON THIS LABEL). P333+P313 IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ ATTENTION. P337+P313 IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ ATTENTION. P362+P364 TAKE OFF CONTAMINATED CLOTHING AND WASH IT BEFORE REUSE. P405 STORE LOCKED UP. P501 DISPOSE OF CONTENTS/ CONTAINER IN ACCORDANCE WITH NATIONAL REGULATIONS.
Supplementary Precautionary Statements	NO ADDITIONAL INFORMATION AVAILABLE.
<i>Section 16 (Other Information): Risk & Safety phrases in full.</i>	
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 Substances	<p><85.0% EUGENOL CAS-NO: 97-53-0 EC NO: 202-589-1 CLASSIFICATION (EC 1272/2008) SKIN SENS. 1 - H317, EYE IRRIT. 2 - H319</p> <p><10.0% BETA CARYOPHYLLENE CAS-NO: 87-44-5 EC NO: 201-746-1 CLASSIFICATION (EC 1272/2008) ASP. TOX. 1 - H304, SKIN SENS. 1- H317, AQUATIC CHRONIC 4- H413</p> <p>≤10.0% EUGENYL ACETATE CAS-NO: 93-28-7 EC NO: 202-235-6 CLASSIFICATION (EC 1272/2008) ACUTE TOX. 4 -H302</p> <p>≤ 0.06% METHYL EUGENOL CAS-NO: 93-15-2 EC NO: 202-223-0 CLASSIFICATION (EC 1272/2008) ACUTE TOX. 4 - H302, MUTA. 2 - H341, CARC. 2 - H351</p>
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.

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Ingestion	GET MEDICAL ATTENTION IMMEDIATELY. IMMEDIATELY CALL THE DOCTOR. 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	TREAT SYMPOOMATICALLY.

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, 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 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	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)	THE INFORMATION REQUIRED IS CONTAINED IN THIS MATERIAL SAFETY DATA

SECTION 8: Exposure Controls & Personal Protection

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8.1 Control Parameters	NO DATA.
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	PROVIDE ADEQUATE VENTILATION OR RESPIRATORY PROTECTION.
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.
Environmental Exposure Controls	AVOID DISCHARGING INTO DRAINAGE WATER.

SECTION 9: Physical & Chemical Properties

9.1 Physical & Chemical Properties	
Appearance	LIQUID
Colour	COLOURLESS, PALE YELLOW, YELLOW TO DARK BROWN
Odour	CHARACTERISTIC, STRONG, WARM, SPICY
Relative Density	1.027 – 1.065 @ 20°C
Flash Point (°C)	>93°C
Refractive Index	1.525 – 1.538 @ 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). STABLE UNDER NORMAL CONDITIONS.
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	AVOID CONCENTRATED ACIDS, ALKALIS & OXIDISING AGENTS.

Incompatible materials	
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	NOT CLASSIFIED
Skin irritation	NOT CLASSIFIED
Eye damage or irritation	CAUSES SERIOUS EYE IRRITATION
Respiratory or skin sensitivity	MAY CAUSE ALLERGIC SKIN REACTION.
Germ cell mutagenicity	NOT CLASSIFIED. HOWEVER PRODUCT CONTAINS A SUBSTANCE SUSPECTED OF CAUSING GENETIC DEFECTS.
Carcinogenicity	NOT CLASSIFIED. HOWEVER PRODUCT CONTAINS A SUBSTANCE SUSPECTED OF CAUSING GENETIC DEFECTS.
Reproductive toxicity	NO DATA
STOT – single exposure	NO DATA
STOT – repeated exposure	NO DATA
Aspiration hazard	MAYBE FATAL IF SWALLOWED IN AIRWAYS
Other information	NO DATA

SECTION 12: Ecological Information	
12.1 Toxicity	NO DATA
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.

SECTION 14: Transport Information

14.1 Transport Information	
UN Number	NOT CLASSIFIED.
14.2 UN Shipping Name	NONE.
14.3 TRANSPORT HAZARD CLASS(ES)	NONE.
14.4 PACKING GROUP	NONE.
14.5 ENVIROMENTAL HAZARDS	NO ADDITIONAL 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 18 TH DECEMBER 2006. CONCERNING THE REGISTRATION, EVALUATION, AUTHORIZATION & RESTRICTION OF CHEMICALS (REACH), ESTABLISHING A EUROPEAN CHEMICALS AGENCY, AMENDING DIRECTIVE 199/45/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	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	H302: HARMFUL IF SWALLOWED. H304: MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS. H317: MAY CAUSE AN ALLERGIC SKIN REACTION.
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	H319 CAUSES SERIOUS EYE IRRITATION. H341 SUSPECTED OF CAUSING GENETIC DEFECTS. H351 SUSPECTED OF CAUSING CANCER. H413 MAY CAUSE LONG LASTING HARMFUL EFFECTS 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, 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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