

# AKÖMA™

## FROM THE HEART

### Material Safety Data Sheet

EU Regulation: 1907/2006

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

<b>1.1 Product Identification</b>					
<b>Product Name</b>	THYME WHITE, ESSENTIAL OIL				
<b>Biological Definition</b>					
<b>INCI Name</b>	RTHYMUS VULGARIS LEAF				
<b>Synonyms &amp; Trade Names</b>	-				
<b>Internal Product Code</b>	K0463				
<b>CAS-No</b>	884929-51-1	<b>EC No.</b>	284-535-7	<b>EINECS No.</b>	284-535-7
<b>1.2 Details of the supplier of the safety data sheet</b>					
<b>Company Address</b>	Akoma International (UK) LTD Unit 9A Sawley Park Nottingham Road Derby DE21 6AS Tel: +44 (0) 1332 613 967				
<b>Email</b>	technical@akoma.biz				
<b>1.3 Details of the supplier of the safety data sheet</b>					
<b>Emergency Contacts</b>	Mr. Wynn Mensah – Tel: 01332 613 967				

#### SECTION 2: Hazards Identification

<b>2.1 Classification of the substance or mixture</b>	
THE FULL TEXT FOR ALL HAZARD STATEMENTS IS DISPLAYED IN SECTION 16.	
<b>CLASSIFICATION (67/548/EEC)</b>	NO ADDITIONAL DATA AVAILABLE.
<b>Classification (EU1272/2008)</b>	PHYSICAL AND CHEMICAL HAZARDS: FLAM. LIQ. 3: FLAMMABLE LIQUIDS, CATEGORY 3, H226 HUMAN HEALTH: ASP. TOX. 1: ASPIRATION HAZARD, CATEGORY 1, H304 EYE DAM. 1: SERIOUS EYE DAMAGE, CATEGORY 1, H318 SKIN CORR. 1B: SKIN CORROSION, CATEGORY 1B, H314 SKIN SENS. 1B: SENSITISATION, SKIN, CATEGORY 1B, H317 STOT SE 3: RESPIRATORY TRACT TOXICITY, SINGLE EXPOSURE,

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*Thyme White Essential Oil - MSDS*

	CATEGORY 3, H335 ENVIRONMENT: ENVIRONMENT	AQUATIC CHRONIC 2: HAZARDOUS TO THE AQUATIC  LONG-TERM HAZARD, CATEGORY 2, H411.
<b>2.2 LABEL ELEMENTS</b>	LABEL IN ACCORDANCE WITH REGULATION (EC) NO 1272/2008.	
<b>GHS Label</b>		
<b>Signal Word</b>	DANGER	
<b>Contains</b>	NO DATA.	
<b>Hazards Statement</b>	H226 FLAMMABLE LIQUID AND VAPOUR. H302 HARMFUL IF SWALLOWED. H304 MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS. H314 CAUSES SEVERE SKIN BURNS AND EYE DAMAGE. H317 MAY CAUSE AN ALLERGIC SKIN REACTION. H411 TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.	
<b>Precautionary Statements</b>	P210 KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES. — NO SMOKING. P260 DO NOT BREATHE DUST/FUME/GAS/MIST/VAPOURS/SPRAY. P273 AVOID RELEASE TO THE ENVIRONMENT. P280 WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION. P301+P310 IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN. P331 DO NOT INDUCE VOMITING. P303+P361+P353 IF ON SKIN (OR HAIR): REMOVE/TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/SHOWER. P304+P340 IF INHALED: REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING. P305+P351+P338 IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING. P391 COLLECT SPILLAGE. P501 DISPOSE OF CONTENTS/CONTAINER ACCORDING TO THE LOCAL REGULATIONS.	
<b>Supplementary Precautionary Statements</b>	NONE.	
SECTION 16 (OTHER INFORMATION): RISK & SAFETY PHRASES IN FULL.		
<b>2.3 Other Hazards</b>		
<b>Adverse physio-chemical properties</b>	NO DATA	
<b>Adverse effects on human health</b>	NO DATA	
<b>PBT OR VPVB ACCORDING TO ANNEX XIII</b>	NO DATA	

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### SECTION 3: Composition of Ingredients

<b>3.1</b> <b>Mixtures</b>	<b>30.0 – 40.0% PARACYMENE</b> CAS-NO.: 99-87-6 EC NO.: 202-796-7 CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 - H226, ASP. TOX. 1 - H304, AQUATIC CHRONIC 2 - H411 <b>&lt;30.0% THYMOL</b> CAS-NO.: 89-83-8, EC NO.: 201-944-8 CLASSIFICATION (EC 1272/2008) ACUTE TOX. 4 - H302, SKIN CORR. 1B - H314, AQUATIC CHRONIC 2 - H411 <b>2.0 – 4.0% ALPHA-PINENE</b> CAS-NO.: 80-56-8 EC NO.: 201-291-9 CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 - H226, SKIN SENS. 1 - H317, ASP. TOX. 1 - H304, AQUATIC ACUTE 1 - H400, AQUATIC CHRONIC 1 - H410 <b>0.5 – 1.5% LIMONENE</b> CAS-NO.: 5989-27-5 EC NO.: 227-813-5 CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 - H226, SKIN IRRIT 2 - H315 ASP TOX. 1 - H304, SKIN SENS. 1 - H317 AQUATIC ACUTE 1 - H400, AQUATIC CHRONIC 1 - H410 <b>&lt;1.0% BETA-PINENE</b> CAS-NO.: 127-91-3 EC NO.: 204-872-5 CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 3 - H226, ASP. TOX. 1 - H304, SKIN IRRIT. 2 - H315, SKIN SENS. 1 - H31
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### SECTION 4: First Aid Measures

<b>4.1</b> <b>Description of First Aid Measures</b>	
<b>General Information</b>	Always remove contaminated clothing immediately.
<b>Inhalation</b>	Get medical attention immediately. Remove from exposure site to fresh air, keep at rest, and obtain medical attention.
<b>Ingestion</b>	Get medical attention immediately. Rinse mouth with water and obtain medical attention.
<b>Skin Contact</b>	Remove contaminated clothes. Wash thoroughly with soap and water. Contact physician if irritation persists.
<b>Eye Contact</b>	Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.
<b>4.2</b> <b>Most important symptoms &amp; effects (Acute &amp; Delayed)</b>	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.
<b>4.3</b> <b>Indication of any immediate medical attention or special treatment required</b>	None expected, see section 4.1 for further information.

### SECTION 5: Fire Fighting Measures

<b>5.1</b> <b>Extinguishing material</b>	Foam, Co2, Dry Chemical Powder.
<b>5.2</b> <b>Special hazards arising from the substance Or mixture</b>	Burning produces irritating, toxic and obnoxious fumes.
<b>5.3</b> <b>Advice for fire-fighters</b>	Special protective equipment for fire-fighters: Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

### SECTION 6: Accidental Release Measures

<b>6.1</b> <b>Personal precautions</b>	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.
<b>6.2</b> <b>Environmental precautions</b>	Do not discharge into drains, water courses or onto the ground. Dispose of in line with local authority guidelines.
<b>6.3</b> <b>Methods &amp; material for containment and cleaning up</b>	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.
<b>6.4</b> <b>References to other sections</b>	REFER & CONSIDER SECTION 8.

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**SECTION 7: Handling & Storage**

<b>7.1 Precautions for safe-handling</b>	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.
<b>7.2 Conditions for safe storage, including any incompatibilities</b>	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.
<b>7.3 Specific end use(s)</b>	No Data.

**SECTION 8: Exposure Controls & Personal Protection**

<b>8.1 Control Parameters</b>	Causes severe burns in contact with eyes and skin.
<b>8.2 Exposure Controls</b>	
<b>Eye Protection</b>	Chemical safety goggles are compulsory.
<b>Hand Protection</b>	Compatible chemical-resistant gloves are compulsory.
<b>Respiratory Equipment</b>	ventilation, local exhaust, or breathing protection
<b>Hygiene Measures</b>	Good personal hygiene practices are always advisable, especially when working with chemicals / oils.
<b>Engineering Measures</b>	Provide adequate ventilation.
<b>SKIN PROTECTION</b>	Avoid contact with skin. Wear suitable gloves.
<b>PERSONAL PROTECTION</b>	Use personal protection according to directive 89/686/EEC.
<b>OTHER PROTECTION</b>	Measures should be taken to prevent materials from being splashed into the eyes or on the skin. Wear eyeshields and protective clothing.
<b>PROCESS CONDITIONS</b>	Ensure area is well ventilated. Avoid vapour inhalation. Safety shower & eye bath.
<b>ENVIROMENTAL EXPOSURE CONTROLS</b>	Avoid discharging into drainage water. Only eliminate by authorised companies.

**SECTION 9: Physical & Chemical Properties**

<b>9.1 Physical &amp; Chemical Properties</b>	
<b>Appearance</b>	Liquid
<b>Colour</b>	Colourless – Pale Yellow.
<b>Odour</b>	Characteristic
<b>Relative Density</b>	0.905 – 0.935 @ 20°C
<b>Flash Point (°C)</b>	>60°C
<b>Refractive Index</b>	1.491 - 1.510 @ 20°C
<b>Solubility in Water @ 20°C</b>	Insoluble in water
<b>9.2 Other Information</b>	No data.

## SECTION 10: Stability & Reactivity

<b>10.1 Reactivity</b>	Combustible.
<b>10.2 Chemical stability</b>	Stable under suggested storage conditions (<15°C).
<b>10.3 Possibility of hazardous reactions</b>	No.
<b>10.4 Conditions to avoid</b>	Applicable for handling and storage at room temperature: shock & friction: n/a contact with air: n/a Increase in temperature: risk of combustion. Sunlight: avoid direct impact. humidity: n/a
<b>10.5 Incompatible materials</b>	Acids: avoid strong acids. water: n/a Combustive materials: avoid direct impact. combustible materials: n/a Others: avoid alkalis or strong bases.
<b>10.6 Hazardous decomposition products</b>	Carbon monoxide and carbon dioxide.

## SECTION 11: Toxicological Information

<b>11.1 Toxicological effects</b>	
<b>Acute Toxicity</b>	There is no toxicological data available on this product.
<b>Skin irritation</b>	Burns. May cause sensitization by skin contact.
<b>Eye damage or irritation</b>	Burns.
<b>Respiratory or skin sensitivity</b>	Irritations of mucous membranes, coughing and dyspnoea. inhalation may lead to the formation of oedemas in the respiratory tract.
<b>Germ cell mutagenicity</b>	mutagenicity: based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. for more information see section 3.
<b>Carcinogenicity</b>	carcinogenicity: based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. for more information see section 3.
<b>Reproductive toxicity</b>	reproductive toxicity: based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. for more information see section 3.
<b>STOT – single exposure</b>	causes irritation in respiratory passages, which is normally reversible and limited to the upper respiratory passages.
<b>STOT – repeated exposure</b>	specific target organ toxicity (stot)-repeated exposure: based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. for more information see

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	<p>section 3.</p> <p>- skin: based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. for more information see section 3.</p>
<b>Aspiration hazard</b>	Damage of the respiratory tract. burns the mucous membranes on the mouth, pharynx, oesophagus and gastrointestinal tract.
<b>Other information</b>	Further hazardous properties cannot be excluded. normal safety precautions for handling chemical products should always be observed.

## SECTION 12: Ecological Information


<b>12.1 Toxicity</b>	No Data.
<b>12.2 Persistence &amp; degradability</b>	No Data.
<b>12.3 Bio- accumulative potential</b>	No Data.
<b>12.4 Mobility in soil</b>	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.
<b>12.5 Results of PBT &amp; VPVB assessment</b>	This substance does not meet the PBT/VPVB CRITERIA OF REACH, ANNEX XIII.
<b>12.6 Other adverse effects</b>	Do not allow product to enter streams, sewers or other waterways.

## SECTION 13: Disposal Information

<b>13.1 Waste treatment methods</b>	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

<b>14.1 Transport Information</b>	
<b>UN NUMBER</b>	ROAD: 2924 RAIL: 2924 AIR: 2924
<b>14.2 UN SHIPPING NAME</b>	flammable liquid, corrosive, N.O.S. (contains cymenes)
<b>14.3 TRANSPORT HAZARD CLASS(ES)</b>	ADR/RID/ADN – CLASS 3 (8) ADR/RID/ADN – CLASS 3 (8) IMDG – CLASS 3 (8) ICAO – CLASS 3 (8)

	<p>TRANSPORT LABELS</p> 
<b>14.4 PACKING GROUP</b>	ADR/RID/ADN PACKING GROUP III IMDG PACKING GROUP III ICAO PACKING GROUP III
<b>14.5 ENVIROMENTAL HAZARDS</b>	<p>ENVIRONMENTALLY HAZARDOUS SUBSTANCE/MARINE POLLUTANT</p> 
<b>14.6 SPECIAL PRECAUTIONS FOR USER</b>	None.
<b>14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 &amp; THE IBC CODE.</b>	NO ADDITIONAL DATA.

## SECTION 15: Regulatory Information

<b>15.1 Product specific safety, health &amp; environmental regulations &amp; legislation</b>	
<b>EU Directives</b>	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).
<b>Statutory Instruments</b>	The Chemicals (Hazard Information & Packaging for Supply Regulations 2009 (S.I.2009 No 716).
<b>Approved Code of Practice</b>	Classification & labelling of substances & preparations dangerous for supply. Safety data sheets for substances & preparations.
<b>Guidance Notes</b>	Workplace exposure limits EH40. CHIP for everyone HSG 108.
<b>15.2 Chemical Safety Assessment</b>	-

## SECTION 16: Other Information

<b>HAZARD AND/ OR PRECAUTIONARY STATEMENTS IN FULL</b>	<p>H226 FLAMMABLE LIQUID AND VAPOUR.  H302 HARMFUL IF SWALLOWED.  H304 MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.  H314 CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.  H315 CAUSES SKIN IRRITATION.  H317 MAY CAUSE AN ALLERGIC SKIN REACTION.  H400 VERY TOXIC TO AQUATIC LIFE</p>
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	H410 VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS. H411 TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.
<b>Training Instructions: Refer to possible hazard before use of this product.</b>	
<b>Abbreviations &amp; Acronyms:</b>	
<b>MSDS</b>	Material Safety Data Sheet.
<b>INCI</b>	International Nomenclature of Cosmetic Ingredients.
<b>CAS</b>	Chemical Abstract Service.
<b>IMDG</b>	International Maritime code for Dangerous Goods.
<b>ADR</b>	Accord European sur le transport des marchandises Dangereuses par Route (European Agreement concerning the international Carriage of Dangerous goods by Road).
<b>RID</b>	International Carriage of Dangerous Goods by Rail.
<b>ICAO</b>	International Civil Aviation Organization.
<b>ADN</b>	International Carriage of Dangerous Goods by Inland Waterways.
<b>GHS</b>	Globally Harmonized System of classification & labelling of chemicals.
<b>Trem Card</b>	Transport Emergency Card.
<b>STOT</b>	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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