

AKÖMA™

FROM THE HEART

MATERIAL SAFETY DATA SHEET

1 - Identification of Product and Supplier

Product Name: Thyme White Essential Oil
Supplier: Akoma International (UK) LTD
Unit 9A Sawley Park
Nottingham Road
Derby
DE21 6AS
Tel: +44 (0) 1332 613 967
Emergency Contact: Mr. Wynn Mensah – Tel: 01332 613 967

2 - Hazards identification:

2.1 Classification of the substance or mixture

Classification (67/548/EEC) C+N; R10-22-34-43-51/53-65, S24-26-28-36/37/39-45-61-62
Classification (EU 1272/2008) 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.

2.2 Label elements

Label in accordance with Regulation (EC) No 1272/2008

GHS Label:



Signal word:

Danger

Contains

Thymol, p-cymene, carvacrol, linalool, pinenes, limonene.

Hazard Statements:

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
 H318 Causes serious eye damage
 H411 Toxic to aquatic life with long lasting effects

Precautionary Statements: 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.

Supplementary Precautionary Statements: None

Risk phrases and Safety phrases in full refer to Section 16 -- Other information

2.3 Other hazards

Adverse physio-chemical properties Combustible but will not self-ignite. Can be corrosive to metals.

Adverse effects on human health Can cause serious skin/eye damage.

3 - Composition and information on ingredients:

%	INCI	CAS-No	EC No	Classification (EC 1272/2008)
30.0 – 40.0	Paracymene	99-87-6	202-796-7	Flam. Liq. 3 - H226, Asp. Tox. 1 - H304, Aquatic Chronic 2 - H411
<30.0	Thymol	89-83-8	201-944-8	Acute Tox. 4 - H302, Skin Corr. 1B - H314, Aquatic Chronic 2 - H411
2.0 – 4.0	Alpha-pinene	80-56-8	201-291-9	Flam. Liq. 3 - H226, Skin Sens. 1 - H317, Asp. Tox. 1 - H304, Aquatic Acute 1 - H400,

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				Aquatic Chronic 1 - H410
0.5. – 1.50	Limonene	5989-27-5	227-813-5	Flam. Liq. 3 – H226, Skin Irrit 2 – H315 Asp Tox. 1 – H304, Skin Sens. 1 – H317 Aquatic Acute 1 – H400, Aquatic Chronic 1 – H410
<1.0	Beta-pinene	127-91-3	204-872-5	Flam. Liq. 3 - H226, Asp. Tox. 1 - H304, Skin Irrit. 2 - H315, Skin Sens. 1 - H317

Product Name Thyme Oil, White

Biological Definition Thymus Vulgaris Leaf Oil is the volatile oil obtained from the leaves of Thymus vulgaris, Lamiaceae

INCI Name Thymus Vulgaris Leaf Oil

Synonyms & Trade Names ---

Internal Product Code R00407

CAS-No 84929-51-1

EC No. 284-535-7

EINECS No. 284-535-7

3.2 Mixtures

EU INCI

N/A

US INCI

N/A

4 - First aid measures:

4.1 Description of first aid measures

General Information See categories below

Inhalation Remove victim immediately from source of exposure. Get medical attention if any discomfort continues.

Ingestion Rinse mouth and drink abundant water to dilute substance. Avoid vomiting, risk of aspiration!

Skin Contact Remove contaminated clothes. Wash affected areas with copious amounts of water.

Eye Contact Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention immediately. Continue to rinse.

4.2 Most important symptoms and effects, both acute and delayed

After continuous contact with skin and/or eyes causes burns and sores of hard cicatrisation.

On a reduced number of people the exposure to the product may induce allergic reactions.

An intake of product at high concentration causes burns and ulcers of mucous membranes on mouth, pharynx, oesophagus and gastrointestinal tract.

4.3 Indication of any immediate medical attention and special treatment needed

If the victim feels unwell, seek medical advice immediately.

If breathing is difficult then provide artificial respiration.

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5 - Fire - Fighting measures:

5.1 Extinguishing Media

Carbon dioxide, Dry powder or Foam. Cool containers with water.

5.2 Special hazards arising from the substance or mixture.

Combustible. Keep away from ignition sources.

5.3 Advice for fire-fighters

In the event of fire, combustion gas or dangerous vapours may appear. Generates explosive mixtures with air. Use chemical protection clothing and self-contained breathing apparatus.

6 - Accidental release measures:

6.1 Personal precautions

Avoid substance contact.

Proceed with ventilation if closed place. Do not inhale vapours. Keep away from ignition sources.

6.2 Environmental precautions

Keep away from sewerage, surface water and groundwater. Do not allow to enter sewerage system.

6.3 Methods and material for containment and cleaning up

Keep away from sewerage, surface water and groundwater. Do not allow to enter sewerage system.

6.4 References to other sections.

Please refer to *Section 8 - Exposure controls/personal protection* for further information on personal precautions

Please refer to *Section 13 - Disposal Considerations* for further information on waste treatment.

7 - Handling and storage:

7.1 Precautions for safe handling

Keep away from sources of ignition. The normal safety precautions for handling chemicals should always be observed. Do not eat, drink or smoke in work areas. Immediately change contaminated clothing. Wash hands after working with substance.

7.2 Conditions for safe storage, including any incompatibilities

Store in full tight sealed containers in a well ventilated place, away from sources of ignition and heat, at temperature below 20 °C and protected from light.

7.3 Specific end use(s)

N/A

8 - Exposure controls and personal protection:

8.1 Control Parameters

Causes severe burns in contact with eyes and skin.

8.2 Exposure Controls

Eye protection



Compatible chemical-resistant gloves are compulsory.

Hand protection



Compatible chemical-resistant gloves are compulsory.

Respiratory Equipment
Hygiene Measures

Ventilation, local exhaust, or breathing protection.
Good personal hygiene practices are always advisable, especially when working with chemicals / oils.

Engineering Measures

Ensure good ventilation of working area.

9 - Physical data and chemical properties:

9.1 Information on basic physical and chemical properties

Appearance	Clear liquid
Colour	Colourless to pale yellow mobile
Odour	Characteristic, spicy-phenolic
Relative Density	0.905 - 0.935 @ 20°C
Flash Point (°C)	>60°C
Refractive Index	1.491 - 1.510 @ 20°C
Melting Point (°C)	No additional data available.
Boiling Point (°C)	No additional data available.
Vapour Pressure	No additional data available.
Solubility in Water @20°C	Insoluble in water.
Auto-ignition temperature (°C)	No additional data available.

9.2 Other information

N/A

10 - Stability and Reactivity:

10.1 Reactivity

It presents no significant reactivity hazards, by itself or in contact with water.

10.2 Chemical stability

Stable under normal temperature conditions.

10.3 Possibility of hazardous reactions

None.

10.4 Conditions to avoid

Keep away from ignition sources. Protect from light and air.

10.5 Incompatible materials

Strong oxidizers.

10.6 Hazardous decomposition products

Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide & other non-identified organic compounds may be formed.

11 - Toxicological information:

11.1 Information on toxicological effects.

Acute toxicity:	There is no toxicological data available on this product.
Skin corrosion / irritation:	Burns. May cause sensitization by skin contact.
Serious eye damage/irritation:	Burns.
Respiratory or skin sensitisation:	Irritations of mucous membranes, coughing and dyspnoea. Inhalation may lead to the formation of oedemas in the respiratory tract.
Germ cell mutagenicity:	No additional data available.
Carcinogenicity:	No additional data available.
Reproductive toxicity:	No additional data available.
STOT-single exposure:	No additional data available.
STOT-repeated exposure:	No additional data available.
Aspiration hazard:	Damage of the respiratory tract. Burns the mucous membranes on the mouth, pharynx, oesophagus and gastrointestinal tract.
Other information:	No additional data available.

12 - Ecological information:

12.1 Toxicity

No data found.

12.2 Persistence and degradability

No data found.

12.3 Bio-accumulative potential

No data found.

12.4 Mobility in soil

No data found.

12.5 Results of PBT and VPVB assessment

No data found.

12.6 Other adverse effects

There is no quantitative data available about ecological effects of this product.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Do not allow the material to enter streams, sewers or other waterways.

13 - Disposal considerations:

13.1 Waste Treatment Methods

Do not release into the environment. Collect waste into suitable containers and contact hazardous chemical disposal company.

14 - Transport information:

Warning Icon



Proper Shipping Name	FLAMMABLE LIQUID COSSOSIVE N.O.S (contains thyme, Thymus zygis)
UN No. Road	UN 2924
ADR Class	Class 3
Hazard No (ADR)	Not found
Hazchem Code	Not found
UN No. SEA	UN 2924
IMDG Class	Class 3
IMDG Pack Gr.	Pk Gp III
EMS	F-E, S-C
UN No. AIR	UN 2924
Air Class	Class 3
Air Pack Gr.	Pk Gp III

15 - Regulatory information:

Safety, health and environmental regulations/legislation specific for the substance or mixture

EU Directives	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18th Dec 2006 Concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 199/45/EC and repealing Council Regulation Council Regulation (EEC) No793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, and 93/105/EEC and 2000/21/EC including amendments.
Statutory Instruments	The Chemicals (Hazard Information and Packaging for Supply Regulations 2009 (S.I. 2009 No 716).
Approved Code of Practice	Classification and Labeling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations
Guidance Notes	Workplace Exposure Limits EH40. CHIP for everyone HSG 108.

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Chemical safety assessment

An assessment has not been executed at this time.

16 - Other information:

Training instructions: Refer to possible hazard before use of this product.

Abbreviations and 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 européen 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 and Labelling of Chemicals
Trem Card	Transport Emergency Card
STOT	Specific Target Organ Toxicity
N/A	Not Available

Hazard Statements in full:	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 H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects.
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Safety Phrases in full: None

Complies with REACH guidance for SDS as circulated by ECHA 2011.

Q.C. REQUIREMENTS

In-line with general product specification. Always satisfy suitability for specific application.

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 it's' correctness or accuracy. It is the user's responsibility to determine safe

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