

AKÖMA™

FROM THE HEART

MATERIAL SAFETY DATA SHEET

1 - Identification of Product and Supplier

Product Name: Chamomile Essential Oil, Roman
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) Xn; R10-43-65, S24-37-62
Classification (EU 1272/2008) UN-GHS: FL 3, AH 1, SCI 3, SS 1
EU-CLP: FL 3, AH 1, SS 1

2.2 Label elements

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

GHS Label:



GHS02 GHS08 GHS07 GHS09

Signal word: Danger
Contains Pinenes, limonene
Hazard Statements: H226 Flammable liquid and vapour
H304 May be fatal if swallowed and enters airways
H317 May cause an allergic skin reaction
Precautionary Statements: P301/310 IF SWALLOWED immediately call a doctor/physician
P331 Do NOT induce vomiting
P262 Do not get in eyes, on skin or on clothing
P280 Wear protective gloves/protective clothing/eye protection/face protection.
Supplementary Precautionary Statements: -----
Risk phrases and Safety phrases in full refer to Section 16 -- Other information

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2.3 Other hazards

Adverse physio-chemical properties None

Adverse effects on human health May cause sensitisation to skin and eyes.

3 - Composition and information on ingredients:

3.1 Substances

30-35% Isobutyl angelate UN-GHS: FL4 ATO4(600)

15-2% 2-Methylbutyl angelate UN-GHS: not found

5-10% Methyl allyl angelate UN-GHS not found

5-10% Isobutyl isobutyrate UN-GHS not found

1-5% Pinocarveol UN-GHS: FL4

1-5%. Alpha-Pinene UN-GHS: ATO5(3700), SCI 2, SS 1

0.1% Limonene UN-GHS: SCI 2; SS 1; EH A1,C1

3.2 Mixtures

EU INCI

N/A

US INCI

N/A

Product Name

Chamomile Oil, Roman

Biological Definition

The volatile oil obtained by steam distillation of the dried flowering heads of the herb *Anthemis nobilis* L. (syn. *Chamaemelum nobile*).

INCI Name

Anthemis Nobilis Flower Oil

Synonyms & Trade Names

Chamomile Oil English, Chamaemelum Nobile Oil, Chamomile Oil Blue (do not confuse with oil from *Cham. recutita*).

Internal Product Code

R00120

FEMA No.

2275

FDA No.

\$182.10 48

CoE No.

48

CAS-No

84649-86-5/
8015-92-7

EC No.

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EINECS No.

283-467-5/-

4 - First aid measures:

General Information

See categories below

Inhalation

Remove from exposure area to fresh air. Contact a doctor if necessary.

Ingestion

Wash mouth out with water and obtain medical advice immediately.

Inhalation

Remove from exposure area to fresh air. Contact a doctor if necessary

Skin Contact

Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical advice if irritation persists or there is any sign of tissue damage.

Eye Contact

Flush with plenty of water and seek medical advice if necessary.

4.2 Most important symptoms and effects, both acute and delayed

N/A

4.3 Indication of any immediate medical attention and special treatment needed

N/A

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Chamomile Essential Oil, Roman - MSDS

5 - Fire - Fighting measures:

5.1 Extinguishing Media

Use CO₂, Dry Powder or Foam type extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.

5.2 Special hazards arising from the substance or mixture.

None.

5.3 Advice for fire-fighters

Closed containers may build up pressure when exposed to heat. Cool with water spray.

6 - Accidental release measures:

6.1 Personal precautions

Maintain good occupational and personal hygiene. Avoid contact with skin and eyes.

6.2 Environmental precautions

Do not discharge directly into drains or soil. Keep away from surface and ground water.

6.3 Methods and material for containment and cleaning up

Soak up spillage with sand or other inert material. Transfer soaked material to suitable waste container and dispose according to prevailing regulations.

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

Apply good manufacturing practice & industrial hygiene practices, ensuring proper workplace ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling.

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum.

7.3 Specific end use(s)

N/A

8 - Exposure controls and personal protection:

8.1 Control Parameters

None.

8.2 Exposure Controls

Eye protection



Use safety goggles.

Hand protection



Avoid all skin contact. Use chemically resistant gloves if required.

Respiratory Equipment
Hygiene Measures

As required.
Wash hands and exposed areas routinely before breaks and after work period

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 Mobile liquid
Colour	Light blue-green to green-yellow/brown
Odour	Characteristic, reminiscent of the flowers
Relative Density	0.890 to 0.916 @ 20°C
Flash Point (°C)	52 c/c
Refractive Index	1.440 to 1.470 @ 20°
Melting Point (°C)	Not determined
Boiling Point (°C)	161 @ 760mm Hg
Vapour Pressure	N/A
Solubility in Water @20°C	Almost insoluble
Auto-ignition temperature (°C)	Not determined

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

Avoid storage temperatures above 25°C

10.5 Incompatible materials

Avoid contact with strong acids, alkalis and oxidising agents..

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:	Dermal toxicity: found non-irritating when applied to backs of hairless mice. But moderately irritating when applied under occlusion to rabbit skin. Opdyke D.L.J (See1974) FCT 12, 853. Oral toxicity: Acute toxicity (oral, rat) LD50 >5g/kg (ref: unpublished data submitted to RIFM on 10-11-2012 by MB research Labs Inc.
Skin corrosion / irritation:	No available data
Serious eye damage/irritation:	No weight of evidence summary available. Believed to be a slight ocular irritant.
Respiratory or skin sensitisation:	Not found to be a sensitiser to human skin, nor photo-toxic. Opdyke D.L.J (See1974) FCT 12, 853. Listed as skin sensitiser Category 1 under GHS & CLP.
Germ cell mutagenicity:	Not found to be mutagenic in a Bacillus subtilis rec-assay or an Ames test (Zani et al 1991).
Carcinogenicity:	No evidence of carcinogenicity or DNA damage (BIBRA 1992). No evidence of carcinogenic activity of A. nobilis oil constituents.
Reproductive toxicity:	No firm data
STOT-single exposure:	No available data
STOT-repeated exposure:	No available data
Aspiration hazard:	No available data. Listed as Aspiration Hazard Category 1 under GHS & CLP.
Other information:	N/A

12 - Ecological information:

12.1 Toxicity

No weight-of-evidence data available.

12.2 Persistence and degradability

No data available.

12.3 Bio-accumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and VPVB assessment

No data available.

12.6 Other adverse effects

N/A

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	EXTRACT, AROMATIC, LIQUID nos (chamomile oil)
UN No. Road	UN 1169
ADR Class	3
Hazard No (ADR)	30 Flammable liquid
Hazchem Code	3YE
UN No. SEA	UN 1169
IMDG Class	3
IMDG Pack Gr.	III
EMS	F-E, S-D
UN No. AIR	UN 1169
Air Class	3
Air Pack Gr.	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.

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.

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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

Risk Phrases in full:

R10 Flammable
R43 May cause sensitisation by skin contact
R65 Harmful. May cause lung damage if swallowed.

Hazard Statements in full:

H226 Flammable liquid and vapour
H304 May be fatal if swallowed and enters airways
H317 May cause an allergic skin reaction

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 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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