

AKÖMA™

FROM THE HEART

MATERIAL SAFETY DATA SHEET

EU Regulation: 1907/2006

1 --- Identification of Product and Supplier

Product Name: GRAPEFRUIT SEED, EXTRACT
Biological Definition: A broad-spectrum, antimicrobial compound produced from the seeds and pulp of Citrus Grandis. blended with glycerin and stabilised with ascorbic acid.
INCI Name: CITRUS GRANDIS SEED EXTRACT & GLYCERINE & ASCORBIC ACID & AQUA
Synonyms & Trade Names: -
CAS No.: N/A
EC No.: N/A
EINECS No.: N/A

Supplier: Akoma International (UK) LTD
Unit 9A Sawley Park
Nottingham Road
Derby
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Emergency Contact: Mr. Wynn Mensah
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2 --- Hazards Identification:

Classification Of the substance or mixture

The full text for all hazard statements is displayed in section 16.

Classification (67/548/EEC): Not classified.
Classification (EU1272/2008): Not classified.

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

Page 1 of 7

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Grapefruit Extract - MSDS

GHS Label	None.
Signal Word	None.
Contains	Not Classified.
Hazards Statement	None.
Signal Word	None.
Precautionary Statements	None.
Supplementary Precautionary Statements	None.

Section 16 (Other Information): Risk & Safety phrases in full.

Other Hazards

Adverse physio-chemical properties	None.
Adverse effects on human health	None.
PBT or vPvB According to Annex XIII	None.

3 --- Composition of Ingredients: -

Mixtures:

Approx. 50.0% Glycerine (CAS NO. 56-81-5)
 Approx. 25.0% Citrus Grandis Seed Extract (CAS NO. 90045-43-5/8016-20-4)
 >10.0 - <25.0% Aqua
 3.0 – 4.5% Ascorbic Acid (50-81-7 / 62624-30-0)

4 --- First aid measures:

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.

Most important symptoms & effects (Acute & Delayed)

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.

Indication of any immediate medical attention or special treatment required

None expected, see section 4.1 for further information.

5 --- Fire --- Fighting measures:

Extinguishing material: Foam, Co2, Dry Chemical Powder.

Special hazards arising from the substance Or mixture:

Burning produces irritating, toxic and obnoxious fumes

Advice for fire-fighters: Special protective equipment for fire-fighters:

Wear positive-pressure self-contained breathing apparatus (scba) and appropriate protective clothing.

6 --- Accidental release measures:

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.

Environmental precautions: Do not discharge into drains, water courses or onto the ground. Dispose of in line with local authority guidelines.

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.

References to other sections:

Refer & consider section 8.

Refer & consider section 13.

7 --- Handling and storage:

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.

Conditions for safe storage, including any incompatibilities:

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.

Specific end use(s):

No Data.

8 --- Exposure controls and personal protection:

Control parameters:	No special measures.
Exposure Controls:	
Eye Protection	Wear protective gloves/eye protection/face protection.
Hand Protection	Wear protective gloves/eye protection/face protection.
Respiratory Equipment	Under normal conditions of use and where adequate ventilation is available to prevent build up of excessive vapour, this material should not require special engineering controls. However, in conditions of high or prolonged use, or high temperature or other conditions which increase exposure, the following engineering controls can be used to minimise exposure to personnel: A) Increase ventilation of the area with local exhaust ventilation. B) Personnel can use an approved, appropriately fitted respirator with organic vapour cartridge or canisters and particulate filters. C) Use closed systems for transferring and processing this material. Also refer to sections 2 and 7.
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.
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.

9 --- Physical data and chemical properties:

Appearance:	Viscous Liquid.
Colour:	Yellow - Brown.
Odour:	Characteristic.
Relative Density:	1.197 – 1.245@ 20°C.
Flash Point (°C):	No Data.
Refractive Index @ 20°C:	No Data.
Solubility in Water @ 20°C:	Soluble in water.

Other Information: No Data.

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10 --- Stability and Reactivity:

Reactivity: Not Applicable.
Chemical stability: Stable under suggested storage conditions (<15°C).

Possibility of hazardous reactions: No.

Conditions to avoid: Storage at high temperatures. Do not store above 15°C.
Incompatible materials: Concentrated acids, alkalis & oxidising agents.

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.

11 --- Toxicological information:

Toxicological effects

Acute Toxicity: Not Applicable.
Skin irritation: Not Applicable.
Eye damage or irritation: Not Applicable.
Respiratory or skin sensitivity: Not Applicable.
Germ cell mutagenicity: Not Applicable.
Carcinogenicity: Not Applicable.
Reproductive toxicity: Not Applicable.
STOT – single exposure: Not Applicable.
STOT – repeated exposure: Not Applicable.
Aspiration hazard: Not Applicable.
Other information: Not Applicable.

12 --- Ecological information:

Toxicity: We have no data regarding ecotoxicity, but it must be considered that this product may be dangerous for the environment.
Persistence & degradability: No Data.
Bio- accumulative potential: None.
Mobility in soil: None.
Results of PBT & VPVB assessment: No Data.
Other adverse effects: Do not allow product to enter streams, sewers or other waterways.

13 --- Disposal considerations:

Waste treatment methods: Always recover spilled product. Discard waste material with authorized waste management services. Act in accordance with local & national waste regulations.

14 --- Transport information:

Transport Information

Shipping Name: Not Applicable.
UN Number: Not Regulated.
Transport Hazard Classes: Not Applicable.
Packing Group: Not Applicable.
Environmental Hazards: Not Applicable.
Special Precautions for User: See Sections 6-8.

Transport in bulk according to annex II OF MARPOL73/78 & THE IBC CODE. Not Applicable.

15 --- Regulatory information:

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 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.

Chemical Safety Assessment

Assessment has not been carried out as this is a non-hazardous material according to article 31 of REACH 1907/2006.

16 --- Other information:

Hazard and/ or precautionary statements in full

None. Non hazardous product.

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.

The information contained in this data sheet is based on our actual knowledge concerning the mentioned product at the issuing date of the sheet. The information is provided sincerely. The users of the product are advised of the potential risks, should the product be used for other uses than the ones it is designed for. This data sheet does not exempt the user to know and to apply the legal texts ruling his activity. The user will take solely under his own responsibility the precautions linked to the use he makes of the product.

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