

AKÖMA™

FROM THE HEART

MATERIAL SAFETY DATA SHEET

1 - Identification of Product and Supplier

Product Name: BTMS Varisoft
Other Names: Mixture - All components listed on AICS
Uses: Organic conditioner for cosmetic formulations.
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:

Poisons Schedule (Aust) No Data Available

Globally Harmonised System

Hazard Classification Hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

Hazard Categories Skin Corrosion/Irritation - Category 2
Serious Eye Damage/Irritation - Category 1
Specific Target Organ Toxicity (Repeated Exposure) - Category 2
Acute Hazard To The Aquatic Environment - Category 1



Pictograms

Signal Word Danger

Hazard Statements	H315	Causes skin irritation.	
	H318	Causes serious eye damage.	
	H400	Very toxic to aquatic life.	
	H373	May cause damage to organs through prolonged or repeated exposure.	
Precautionary Statements	Prevention	P273	Avoid release to the environment.
		P280	Wear protective gloves/protective clothing/eye protection/face protection.
	Response	P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
		P310	Immediately call a POISON CENTER or doctor/physician.
		P332 + P313	If skin irritation occurs: Get medical advice/attention.
		P309 + P311	IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

National Transport Commission (Australia)

Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

Dangerous Goods Classification NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

Environmental Protection Authority (New Zealand)

Hazardous Substances and New Organisms Amendment Act 2015

HSNO Classifications

Health Hazards **6.3B** Substances that are mildly irritating to the skin

3 - Composition and information on ingredients:

Ingredients

Chemical Entity	Formula	CAS Number	Proportion
Alcohols, C16-18	No Data Available	67762-27-0	>50.00 %
Docosyltrimethylammonium sulfate	No Data Available	81646-13-1	>=20.0 - <=30.0 %

4 - First aid measures:

Description of necessary measures according to routes of exposure

Swallowed Thoroughly clean the mouth with water. Do not induce vomiting. Call for medical advice immediately; show this safety data sheet

Eye	In case of contact with eyes rinse thoroughly with plenty of water for at least 15 minutes and seek medical advice.
Skin	In case of contact with skin wash off immediately with plenty of water. Consult a doctor if skin irritation persists.
Inhaled	Ensure supply of fresh air. In the event of symptoms take medical treatment.
Advice to Doctor	Treat symptomatically based on judgement of doctor and individual reactions of patient.

Medical Conditions Aggravated by Exposure

No information available on medical conditions aggravated by exposure to this product.

5 - Fire - Fighting measures:

General Measures	Clear fire area of all non-emergency personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources. Move fire exposed containers from fire area if it can be done without risk. Do not inhale explosion and/or combustion gases.
Flammability Conditions	Product is a combustible solid.
Extinguishing Media	Foam, carbon dioxide, dry powder, water spray. Do NOT use full water jet. Cool endangered containers with water spray jet.
Hazardous Products of Combustion	Carbon dioxide, carbon monoxide, sulphur oxides, nitrogen oxides (NO _x).
Special Fire Fighting Instructions	HAZCHEM: 2Z Do NOT allow fire fighting water to reach waterways, drains or sewers. Store fire fighting water for treatment.
Personal Protective Equipment	Fire fighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots and gloves).
Flash Point	>93°C
Lower Explosion Limit	No Data Available
Upper Explosion Limit	No Data Available
Auto Ignition Temperature	No Data Available
Hazchem Code	No Data Available

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6 - Accidental release measures:

General Response Procedure	Avoid accidents, clean up immediately. Slippery when spilt. Eliminate all sources of ignition. Increase ventilation. Avoid generating dust. Stop leak if safe to do so. Isolate the danger area. Use clean, non-sparking tools and equipment. Keep away from sources of ignition - no smoking.
Clean Up Procedures	Pick up mechanically. Transfer to a suitable, labelled container and dispose of promptly as hazardous waste.
Containment	Stop leak if safe to do so. Isolate the danger area.
Environmental Precautionary Measures	Do NOT let product reach drains or waterways. If product does enter a waterway, advise the Environmental Protection Authority or your local Waste Management.
Evacuation Criteria	Evacuate all unnecessary personnel.
Personal Precautionary Measures	Personnel involved in the clean up should wear full protective clothing as listed in section 8.

7 - Handling and storage:

Handling	Ensure an eye bath and safety shower are available and ready for use. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling. Take precautionary measures against static discharges by bonding and grounding equipment. Avoid handling which leads to dust formation. Open and handle container with care. Provide good ventilation of working area (local exhaust ventilation if necessary). Provide good ventilation when handling large quantities. Avoid contact with eyes and skin. Do not inhale vapours or dust.
Storage	Store in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Inspect regularly for deficiencies such as damage or leaks. Protect against physical damage. Store away from incompatible materials as listed in section 10. Keep away from sources of ignition - no smoking. Take precautionary measures against electrostatic loading. This product has a UN classification of 3077 and a Dangerous Goods Class 9 (Miscellaneous) according to The Australian Code for the Transport of Dangerous Goods By Road and Rail. NOTE: This product is subject to special provision AU01 according to The ADG7. SP No. AU01 Environmentally Hazardous Substances meeting the descriptions of UN 3077 or UN 3082 are not subject to this Code when transported by road or rail in; (a) packagings that do not incorporate a receptacle exceeding 500 kg(L); or (b) IBCs.
Container	Store in original packaging as approved by manufacturer.

8 - Exposure controls and personal protection:

General	Components	CAS-No.	Type /Update	Value
	Hexadecanol	36653-82-4	TRGS 900 /2006	20 ml/m3 200mg/m3
	1-Octadecanol	112-92-5	TRGS 900 /2006	20 ml/m3 224 mg/m3
Exposure Limits	No Data Available			
Biological Limits	No information available on biological limit values for this product.			
Engineering Measures	A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Adequate ventilation should be provided so that exposure limits are not exceeded.			
Personal Protection Equipment	RESPIRATOR: In case of formation of vapours/dusts: Short term: filter apparatus, Filter P2 (AS1715/1716). EYES: Safety goggles (AS1336/1337). HANDS: Gloves made of chloroprene (CR, e.g. Neoprene) (AS2161). CLOTHING: Long-sleeved protective clothing and safety footwear (AS3765/2210).			
Work Hygienic Practices	At work do not eat, drink, smoke or take drugs. Keep away from foodstuffs and beverages. Wash hands before breaks and after work. Remove soiled or soaked clothing immediately.			

9 - Physical data and chemical properties:

Physical State	Solid
Appearance	pellets
Odour	Slight, typical
Colour	White to slightly yellow
pH	No Data Available
Vapour Pressure	0.01hPa(@30°C)
Relative Vapour Density	No Data Available
Boiling Point	No Data Available
Melting Point	No Data Available
Freezing Point	No Data Available
Solubility	Insoluble
Specific Gravity	No Data Available
Flash Point	>93°C
Auto Ignition Temp	No Data Available
Evaporation Rate	No Data Available
Bulk Density	No Data Available
Corrosion Rate	No Data Available
Decomposition Temperature	No Data Available

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Density	approx 0.87 g/cm ³
Specific Heat	No Data Available
Molecular Weight	No Data Available
Net Propellant Weight	No Data Available
Octanol Water Coefficient	No Data Available
Particle Size	No Data Available
Partition Coefficient	No Data Available
Saturated Vapour Concentration	No Data Available
Vapour Temperature	No Data Available
Viscosity	No Data Available
Volatile Percent	No Data Available
VOC Volume	No Data Available
Additional Characteristics	No Data Available
Potential for Dust Explosion	No Data Available

Fast or Intensely Burning Characteristics Product is a combustible solid.

Flame Propagation or Burning Rate of Solid Materials No Data Available

Non-Flammables That Could Contribute Unusual Hazards to a Fire No Data Available

Properties That May Initiate or Contribute to Fire Intensity No Data Available

Reactions That Release Gases or Vapours No Data Available

Release of Invisible Flammable Vapours and Gases No Data Available

10 - Stability and Reactivity:

General Information Combustible Solid.

Chemical Stability Product is stable under normal conditions of use, storage and temperature.

Conditions to Avoid Unknown

Materials to Avoid Unknown

Hazardous Decomposition Products In the event of fire the following can be released: Carbon dioxide, carbon monoxide, sulphur oxides, nitrogen oxides (NO_x).

Hazardous Polymerisation No Data Available

11 - Toxicological information:

General Information	No Data Available
Eye Irritant	Risk of serious eye damage.
Ingestion	Harmful : danger of serious damage to health by prolonged exposure if swallowed.
Skin Irritant	Irritating to skin.
Carcinogen Category	No Data Available

12 - Ecological information:

Ecotoxicity	Toxicity to fish: LC50 Species: rainbow trout Dose: 96 mg/l Exposure time: 96 h Source: Untersuchungsbericht/Evonik Goldschmidt GmbH Toxicity to daphniae: EC50 Species: Daphnia magna Dose: 55 mg/l Exposure time: 48 h Source: Untersuchungsbericht/Evonik Goldschmidt GmbH Toxicity to algae: EC50 Species: Selenastrum capricornutum Dose: 0.25 mg/l Exposure time: 96 h Source: Untersuchungsbericht/Evonik Goldschmidt GmbH
Persistence/Degradability	No Data Available
Mobility	No Data Available
Environmental Fate	The product is considered to be a water pollutant (German law). Do not allow to enter soil, waterways or waste water canal.
Bioaccumulation Potential	No Data Available
Environmental Impact	No Data Available

13 - Disposal considerations:

General Information	Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility.
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Special Precautions for Land Fill	Contact a specialist disposal company or the local waste regulator for advice. Incinerate at an approved site following all local regulations. If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.
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14 - Transport information:

Land Transport (Australia)

ADG

Proper Shipping Name	Varisoft BTMS
Class	No Data Available
Subsidiary Risk(s)	No Data Available
	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	AU01

Land Transport (New Zealand)

NZS5433

Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Alkyltrimethylammonium methyl sulphate)
Class	9 Miscellaneous Dangerous Goods and Articles
Subsidiary Risk(s)	No Data Available
EPG	47 Low To Moderate Hazard Substances
UN Number	3077
Hazchem	2Z
Pack Group	III
Special Provision	No Data Available

Land Transport (United States of America)

US DOT

Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Alkyltrimethylammonium methyl sulphate)
Class	9 Miscellaneous Dangerous Goods and Articles
Subsidiary Risk(s)	No Data Available
ERG	171 Substances (Low to Moderate Hazard)
UN Number	3077
Hazchem	2Z
Pack Group	III
Special Provision	No Data Available

Sea Transport

IMDG

Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Alkyltrimethylammonium methyl sulphate)
Class	9 Miscellaneous Dangerous Goods and Articles
Subsidiary Risk(s)	No Data Available

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BTMS Varisoft - MSDS

UN Number	3077
Hazchem	2Z
Pack Group	III
Special Provision	No Data Available
EMS	FA,SF
Marine Pollutant	Yes

Air Transport

IATA

Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Alkyltrimethylammonium methyl sulphate)
Class	9 Miscellaneous Dangerous Goods and Articles
Subsidiary Risk(s)	No Data Available
UN Number	3077
Hazchem	2Z
Pack Group	III
Special Provision	No Data Available

National Transport Commission (Australia)

Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

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15 - Regulatory information:

General Information	No Data Available
Poisons Schedule (Aust)	No Data Available

Environmental Protection Authority (New Zealand)

Hazardous Substances and New Organisms Amendment Act 2015

Approval Code	HSR003485
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National/Regional Inventories

Australia (AICS)	Listed
Canada (DSL)	Not Determined
Canada (NDSL)	Not Determined
China (IECSC)	Not Determined
Europe (EINECS)	Not Determined
Europe (REACH)	Not Determined
Japan (ENCS/METI)	Not Determined
Korea (KECI)	Not Determined
Malaysia (EHS Register)	Not Determined
New Zealand (NZIoC)	Listed

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Philippines (PICCS)	Not Determined
Switzerland (Giftliste 1)	Not Determined
Switzerland (Inventory of Notified Substances)	Not Determined
Taiwan (NCSR)	Not Determined
USA (TSCA)	Not Determined

16 - Other information:

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

The Material Safety Data Sheet (MSDS) has been prepared in compliance with EU Directives and regulations.

Q.C. REQUIREMENTS

Related Product Codes BEMESU6000, BEMESU6100

Key/Legend

< Less Than
 > Greater Than
AICS Australian Inventory of Chemical Substances
atm Atmosphere
CAS Chemical Abstracts Service (Registry Number)
Cm² Square Centimetres
CO₂ Carbon Dioxide
COD Chemical Oxygen Demand
deg C (°C) Degrees Celcius
EPA (New Zealand) Environmental Protection Authority of New Zealand
Deg F(°F) Degrees Farenheit
g Grams
g/cm³ Grams per Cubic Centimetre
g/l Grams per Litre
HSNO Hazardous Substance and New Organism
IDLH Immediately Dangerous to Life and Health
immiscible Liquids are insoluable in each other.
inHg Inch of Mercury
inH₂O Inch of Water
K Kelvin
kg Kilogram
kg/m³ Kilograms per Cubic Metre
lb Pound
LC₅₀ LC stands for lethal concentration. LC₅₀ is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.
LD₅₀ LD stands for Lethal Dose. LD₅₀ is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
ltr or L Litre
mc³ Cubic Metre

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mbar Millibar

mg Milligram

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 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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