Section 1 : Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: Bio Green Surfactant
INCI Name : Arachidyl/Behenyl Betainate Esylate and Arachidyl/Behenyl Alcohol
CAS n° : N/A
REACH : 1-10T Registred number : 01-2120888951-37-0000
Origin : France

1.2 Recommended use of the chemical and restriction on use

Cosmetic ingredients for Hair Care: conditioner.

1.3 Supplier details

Company Name:	BAY HOUSE INGREDIENTS
Contact:	JOHN BLACK
Address:	Unit 3 Quatro Park, Tanners Drive, Milton Keynes MK14 5FJ ENGLAND
Telephone :	+ 44 (0) 1908 210270
Fax:	+ 44 (0) 1908 211376
Email :	sales@bay-house.co.uk
Emergency Tel. No.:	+ 44 (0) 1908 210270

Section 2 : Hazardous identification

2.1 Classification of the substance ou mixture

· **Classification according to (CE) n° 1272/2008**

This mixture is classified as not hazardous.

2.2 Label elements

Hazard pictograms: None allocated
Hazard statement: Non-Hazardous

Section 3 : Composition / information on ingredients

3.1 Substances

Constituent	%
Arachidyl/Behenyl Betainate Esylate	20-35
Arachidyl/Behenyl Alcohol	>60

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Section 4 : First aid and measures

4.1 Description of first aid measures

General notes: Consult a physician. Show this safety data sheet to the doctor in attendance.
Following Inhalation : inhalation is not an expected route of exposure. Remove the victim to fresh air and keep at rest in a position comfortable for breathing. See medical attention if symptom persist.
Following skin contact : immediately wash with plenty of soap and water for at least 5 minutes. Seek medical attention. Remove contaminated clothing and shoes. Clean contaminated clothing and shoes before reuse.
Following eye contact : immediately flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek medical advice if irritation persists.
Following ingestion : do NOT induce vomiting without medical advice. Drink water as a precaution. Call a physician or poison control immediately. Never give anything to mouth to an unconscious person.
Notes for the doctor : treat symptomatically and supportively

4.2 Most important symptoms and effects, both acute and delayed.

No information available.

4.3 Indication of medical attention and special treatment needed

No information available.

Section 5 : Fire fighting measure

5.1 Extinguishing media

CO2, universal foam or water spray. Water is not recommended except to cool fire exposed containers

5.2 Special hazard arising form the nature of substance or mixture

No information available.

5.3 Advice for fire-fighters

Clothing for fire fighters (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incident

Section 6 : Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedure

Wear suitable protective equipment. Do not touch damaged containers or spilled material unless wearing suitable protective clothing. May slip.

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6.2 Environmental protection
Avoid dispersion of spilt material and runoff and contact with soil, waterways, drain and sewers. Inform the relevant authorities if the product has caused environmental pollution.

6.3 Methods and material for containment and clean-up
Stop leak if without risk. Move containers from spill area. Absorb with an inert dry material (sand earth vermiculite, diatomaceous earth) and place in an appropriate waste disposal container. Then rinse remaining with water.

6.4 Reference to other sections
See section 7 for information on safe handling
See section 8 for information on personal protection equipment
See section 13 for information on disposal

Section 7 : Handling and storage

7.1 Precautions for safe handling
Avoid direct or prolonged contact with skin and eyes. Avoid dust.

7.2 Conditions for safe storage, including any incompatibilities
Avoid high temperatures

7.3 Specific end uses
Only for test purpose

Section 8 : Exposure controls / personal protection

8.1 Control parameters
No occupational exposure limit values established

8.2 Exposure controls
Avoid dust (for powders)

8.3 Personnal protective equipement

Industrial hygiene : Exercise good industrial hygiene practice. Wash after handling.



Eye and face protection : Use safety glasses or splash proof goggles. An emergency eye wash is necessary



Hand protection : Protective gloves

Respiratory protection : Ensure adequate ventilation.

Environmental exposure controls : Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Avoid discharged into the environment.

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Section 9 : Physical and chemical properties

9.1 General informations

Appearance: Pellets
Color : White Light Yellow
Odor: Mild neutral odor
pH (20°C, 1% in water) : not applicable
Melting point : 70-76°C
Boiling point : no data available
Freezing point : no data available
Density : not determined
Flash point : no data available
Vapor pressure : no data available
Vapor density : no data available
Odor threshold : no data available
Water/oil dist. coef. : no data available
Auto ignition temperature : no data available
Flammability : no data available
Explosive properties : no data available
Oxidising properties : no data available
Evaporation rate : no data available
Viscosity : no data available
Specific gravity : no data available
Decomposition temperature : no data available

9.2 Other information

Not available

Section 10 : Stability and reactivity

10.1 Reactivity

Stable under normal temperature and pressure

10.2 Chemical stability

Stable under normal temperature and pressure

10.3 Possibility of hazardous reaction

Avoid strong oxidisers, acids and alkalis.

10.4 Conditions to avoid

Dust

10.5 Incompatibles material

Strong oxydising agents

10.6 Hazardous decomposition products

No hazardous products knwon

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Section 11 : Toxicological information

11.1 Informations on toxicological effects

Acute Toxicity: in process in an other ingredient
Skin corrosion/irritation : no irritant OECD 429 Skinethic
Serious eye damage/irritation : slighty irritant (100%) HET CAM
skin sensitization : no sensitization GARD Assay
CMR effets (carcinogenicity, mutagenicity, and toxicity for reproduction) : no mutagenic/test Ames via QSAR
Additional information : No degradationof DNA, QSAR DEREK NEXUS

11.2 Symptoms related to the physical, chemical and toxicological characteristics

Inhalation : no specific data
Ingestion : no specific data
Skin contact : no specific data
Eye contact : no specific data

11.3 Delayed and immediate effects and also chronic effects from short and long term exposure

No data available

11.4 Numerical measure of toxicity

No data available

Section 12 : Ecological informations

12.1 Toxicity

Aquatic toxicity :
Daphnia : *Daphnia Magna* OCDE 202/ CE50-48H : 83,8 mg/L
Algae : *Pseudokirchneriella subcapitata* NF EN ISO 8692 / CEr50-72H : 31,3 mg/L

12.2 Persistence et degradability

Readily biodegradable/ 94% in 28 days (OCDE301B)

12.3 Bioaccumulation potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT et VPVB assesment

PBT: Not applicable
vPvB: Not applicable.

12.6 Other adverse effects

No data available

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Section 13 : Disposal considerations

13.1 Waste treatment methods

Dispose in accordance with local regulation. Any containers of equipment used should be decontaminated immediately after use

Section 14 : Transportation information

No restrictions

Not regulated.

Section 15 : Regulatory informations

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

No labelling according to (CE) n° 1272/2008

15.2 Chemical safety assessment

No chemical safety assessment has been carried out for this substance

Section 16 : Other informations

This information given in good faith is based on our knowledge of this product at the time of publication and mainly based on QSAR simulation. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose than those for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing this activity. It is the sole responsibility of the user to take all precautions required in handling, use and store of the product.

Acronymes et abbreviations:
ADR: Accord européen sur le transport des marchandises dangereuses par Route IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) Acute Tox. 4: Acute toxicity, Hazard Category 4
Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B
Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1

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