

Gracefruit Ltd

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www.gracefruit.com

VAT Number: 935 8115 14

EORI Number: GB9358 1151 4000

Company Number: SC37436



MATERIAL SAFETY DATA SHEET

Coco Glucoside

Revision Date:

17th August 2012

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SECTION 1 – IDENTIFICATION OF THE MATERIAL AND SUPPLIER

- 1.1 Product Name:** Coco Glucoside
1.2 Product Code: RMNSCOCOGLUC
1.3 Synonyms: Alkyl [C8 to C16] Glucoside [CAS 141464-42-8]
1.4 AUSTRALIAN AICS Name: D-Glucose, Decyl Octyl Ethers, Oligomeric [CAS 68515-73-1] + C10-16 Alkyl a(+b) D- Mono and Oligoglucopyranosides [CAS 110615-47-9]
1.5 USA INCI Name: Palm Kernel/Coco Glucoside
1.6 EU [CosIng] INCI Name: Palm Kernel/Coco Glucoside
1.7 UN Proper Shipping Name: Not applicable
1.8 UN Technical Shipping Name: Not applicable
1.9 UN Number: Not applicable
1.10 AUSTRALIAN Schedule Name: Not Scheduled.
1.11 Recommended Product Use: Cosmetic and aromatherapy ingredient.

Function: Surfactant - Cleansing Agent.

Categories: Bath soaps and detergents; Shampoos [Non-colouring]; Personal cleanliness products, miscellaneous; Cleansing products [Cold creams, cleansing lotions, liquids and pads]; Baby products, miscellaneous; Body and Hand preparations [Excluding shaving preparations]; Hair preparations [non-colouring], miscellaneous; Face and Neck preparations [Excluding shaving preparations]; Moisturising preparations; Bubble baths; Skin care preparations, miscellaneous.

- 1.12 Company:** Gracefruit Limited
1.13 Address: 146 Glasgow Road, Longcroft
1.14 Telephone Number: 01324 841 353

SECTION 2 – HAZARDS IDENTIFICATION

Hazardous according to criteria of NOHSC
Classified as Hazardous according to SWA [EC 1272/2008]
Not a Dangerous Good according to the Australian Dangerous Goods (ADG) Code
Class: C1 Combustible Liquid
NOT A SUSMP Scheduled Poison

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SECTION 2 – HAZARDS IDENTIFICATION CONTINUED

2.1 Risk Symbols: Xi Irritant.
 N Dangerous for the Environment.

2.2 Risk Phrases: R36, R38, R41, R52, R53.

2.3 Safety Phrases: [S2], S3, S7, S15, S24, S25, S26, S27, S28, S29, S36, S37, S39, S45, S51, S60, S64.
 For the full text of the R-phases & S-phases mentioned in this section, see Section 15.

2.4 Hazardous Categories:

| | | |
|------------------------|-------------------------------|------------|
| Physical Health | No Category | |
| | Acute Oral Toxicity | Category 5 |
| | Serious Eye Damage | Category 1 |
| | Skin Irritation | Category 2 |
| Environmental | Acute Aquatic Toxicity | Category 3 |

2.5 Signal Word:

Danger



2.6 Hazard Statement: H315 Causes skin irritation.
 H318 Causes serious eye damage.

2.7 Precautionary Statement:

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|-------------|--|
| P101 | If medical advice is needed, have product container or label at hand. |
| P102 | Keep out of the reach of children. |
| P202 | Do not handle until all safety precautions have been read and understood. |
| P262 | Do not get in eyes, on skin, or on clothing. |
| P264 | Wash face, hands and any exposed skin thoroughly after handling. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |

2.8 Response Precautionary Statements:

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| P303+P361+P353 | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P309+P311 | IF exposed or you feel unwell: Call a POISON CENTER or doctor/physician. . |
| P333+P313 | If skin irritation or rash occurs: Get medical advice/attention. |
| P337+P313 | If eye irritation persists: Get medical advice/attention. |

2.9 Storage Precautionary Statements:

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| P403+P233+P235 | Store in a well-ventilated place. Keep container tightly closed. Keep cool. |
| P405+P410 | Store locked up. Protect from sunlight. |

2.10 Disposal Precautionary Statements:

| | |
|--------------------|--|
| P501 | Dispose of contents/container to an approved waste disposal plant. |
| 2.11 Other: | None identified. |

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Ingredients:

| Component Entity | CAS Number | EINECS Number | Proportions [%w/w] |
|----------------------------|---------------|---------------|--------------------|
| Palm Kernel/Coco Glucoside | Not allocated | Not allocated | 51% to 53% |
| Water | 7732-18-5 | 231-791-2 | 47% to 49% |

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SECTION 4 - FIRST AID MEASURES

- 4.1 Eye Contact:** Flush immediately with clean water for at least 15 minutes. Ensure irrigation under eyelids. Do not try to remove contact lenses unless trained.
Contact a physician immediately.
- 4.2 Skin Contact:** Remove any contaminated clothing and footwear. Clean before re-use.
Wash affected areas thoroughly with soap and water for at least 15 minutes.
Contact a physician as necessary.
- 4.3 Inhalation:** Remove from the exposure to fresh air. If breathing has stopped, administer artificial respiration and oxygen if available.
Contact a physician as necessary.
- 4.4 Ingestion:** Do Not induce vomiting.
Wash out mouth with water and give water slowly to dilute [as much as casualty can comfortably drink] provided person is conscious.
Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconsciousness.
Contact a physician or local poison control centre immediately.
If vomiting occurs, lean patient forward or place on left side [head-down position, if possible] to maintain open airway and prevent aspiration.
- 4.5 For Advice:** Contact a Poisons Information Centre [Phone eg Australia 131126; New Zealand 0800 764 766] or a doctor at once.
- 4.6 Advice to Doctor:** Treat symptomatically. Note the nature of this product.

SECTION 5 – FIRE FIGHTING MEASURES

- 5.1 Extinguishing Media:** Water Spray; Carbon Dioxide; Dry Chemical; Universal-Type Foam; As allowable for the surrounding materials.
- 5.2 Unsuitable Extinguishing Media:** None established.
- 5.3 Unusual Firefighting Hazards:** None identified.
- 5.4 Special Procedures:** Determine the need to evacuate or isolate the area according to your local emergency plan.
- 5.5 Protective Equipment:** Self-contained breathing apparatus and protective clothing should be worn when fighting fires involving essential oils or chemicals.
- 5.6 Combustion Products:** Oxides of carbon.
- 5.7 Contact Point:** Dial 000 Emergency in case of fire [In Australia]
or Local Emergency Authority [Out of Australia].

SECTION 6 – ACCIDENTAL RELEASE MEASURES

- 6.1 Personal Precautions:** Use of self-contained breathing apparatus is recommended for any major chemical spill. Refer also to section 8.
- 6.2 Safety Precautions:** Eliminate ALL ignition sources. Ventilate area. Determine the need to evacuate or isolate the area according to your local emergency plan;
- 6.3 Environmental Precautions:** Keep away from drains, surface and ground water.
Report spills to appropriate Authorities if required.
- 6.4 Methods For Cleaning Up:** Contain spill and recover free product. Absorb remainder on vermiculite or other suitable absorbent material. Wipe small spills with cloth. Clean with hot water and detergent. Refer also to Section 13. for disposal procedures.

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SECTION 7 – HANDLING AND STORAGE

- 7.1 Handling:** Avoid inhalation and contact with skin and eyes. Good personal hygiene practices should be used. Wash after any contact, before breaks and meals, and at the end of the work period. Contaminated clothing and shoes should be cleaned before re-use. No smoking.
- 7.2 Storage:** Containers should be kept closed in order to minimise contamination. Store in a cool, dry, well ventilated place protected from light. Keep from extreme heat and away from ALL sources of ignition. Make sure the material does not come into contact with substances listed as: "Materials to Avoid", Refer to Section 10. Store in stainless steel drums or amber glass containers. For short term storage only: epoxy phenolic lined steel drums.
- 7.3 Unsuitable Packaging Materials:** None established.
- 7.4 Special Procedures:** None established.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 Exposure Limits** There is a blanket recommendation of 10 mg/m³ for inspirable dusts or mists when limits have not otherwise been established.
- OSHA TWA:** None established.
OSHA STEL: None established.
ACGIH TWA: None established.
ACGIH STEL: None established.
NOHSC TWA: None established.
NOHSC STEL: None established.
- 8.2 Respiratory Protection:** None generally required. Use NIOSH approved respirator in confined areas or if ventilation is inadequate.
- 8.3 Ventilation Protection:** Ensure adequate ventilation to keep exposure levels to a minimum. Local exhaust meeting ACGIH criteria is required. General exhaust is recommended.
- 8.4 Eye Protection:** Using goggles or face shield is recommended.
- 8.5 Protective Gloves:** Using chemical resistant gloves is recommended.
- 8.6 Protective Clothing:** Using chemical resistant clothing is recommended.
- 8.7 Protective Equipment:** An eyewash fountain and / or safety shower should be available in the work area.
- 8.8 Special Engineering Controls:** None established.
- 8.9 Other Personal Protection:** Consult the following Australian Standards for general advice regarding safety clothing and equipment: Respiratory Equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Industrial Clothing: **AS 2919**, Industrial Eye Protection: **AS 1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS 2210**.
- 8.10 Note:** These precautions are for room temperature handling. Use at elevated temperature or aerosol / spray applications may require additional precautions.

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SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

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| 9.1 Appearance: | Viscous liquid |
| 9.2 Odour: | Characteristic |
| 9.3 Specific Gravity: | Not available. |
| 9.4 Refractive Index: | Not available. |
| 9.5 Optical Rotation: | Not available. |
| 9.6 pH: | 11.5 to 12.5 |
| 9.7 Solubility: | Not available. |
| 9.8 Solubility in Water: | Soluble |
| 9.9 Flash Point: | Not available. |
| 9.10 Flammability Limits [as % v/v in Air] | |
| Lower Explosion Limit: | Not available. |
| Upper Explosion Limit: | Not available. |
| 9.11 Autoignition Temperature: | Not available. |
| 9.12 Melting Point: | Not available. |
| 9.13 Boiling Range: | Not available. |
| 9.14 Vapour Pressure: | Not available. |
| 9.15 Vapour Density: | Not available. |
| 9.16 Viscosity: | Not available. |

SECTION 10 – STABILITY AND REACTIVITY

| | |
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| 10.1 Stability: | Chemically stable, hazardous material. This material presents no significant reactivity hazard. |
| 10.2 Conditions to Avoid: | None established. |
| 10.3 Materials to Avoid: | Strong acids, strong alkalis and oxidizing agents. |
| 10.4 Flammability: | Combustible Liquid. |
| 10.5 Hazardous Polymerization: | Will not occur. |
| 10.6 Hazardous Combustion or Decomposition Products: | Carbon monoxide and unidentified organic compounds may be formed during combustion. |

SECTION 11 – TOXICOLOGICAL INFORMATION

11.1 Health Hazards

| | | |
|-----------------------|-------------|--|
| Acute Effects: | Swallowed: | May be harmful. |
| | Eye: | May be irritating. |
| | Skin: | May be irritating. |
| | Inhalation: | May be harmful. |
| Chronic Effects: | | None identified. |
| Mutagenic Effects: | | None identified. |
| | | In vitro mutagenicity: Not mutagenic [By analogy]. |
| Reproductive Effects: | | None identified. |
| Carcinogenic Effects: | | None identified. |
| Sensitisation: | | None identified. |
| Infectious: | | Not applicable. |
| Skin irritation: | | Irritating. Method: OECD 404. |
| Eye irritation: | | Severely irritating. Method: OECD 405. |

11.2 Acute Toxicity

| | |
|--------------------|-----------------------------|
| LD50 [Oral]: | > 2,000 mg/Kg [By analogy]. |
| LD50 [Dermal]: | Not available. |
| LC50 [Inhalation]: | Not available. |

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|----------------------------|----------------|
| 11.3 Short Term Toxicity: | Not available. |
| 11.4 Long Term Toxicity: | Not available. |
| 11.5 Human Exposure Tests: | Not available. |

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| 11.6 SCCNFP Allergens Annex III – Cosmetic Directive 2003/15/EC [7th amendment]. Detection Limit 0.001%. | | | | | |
|--|------|------|------------|---------------|--------------|
| CONSTITUENT | IFRA | EFFA | CAS Number | EINECS Number | RANGE |
| Amyl Cinnamal: | YES | NO | 122-40-7 | 204-541-5 | Not Detected |
| Amyl Cinnamyl Alcohol: | YES | NO | 101-85-9 | 202-982-8 | Not Detected |
| Anisyl Alcohol: | NO | YES | 1331-81-3 | 215-561-9 | Not Detected |
| Benzyl Alcohol: | NO | YES | 100-51-6 | 202-859-9 | Not Detected |
| Benzyl Benzoate: | NO | YES | 120-51-4 | 204-402-9 | Not Detected |
| Benzyl Cinnamate: | NO | YES | 103-41-3 | 203-109-3 | Not Detected |
| Benzyl Salicylate: | NO | YES | 118-58-1 | 204-262-9 | Not Detected |
| Cinnamal: | YES | YES | 104-55-2 | 203-213-9 | Not Detected |
| Cinnamyl Alcohol: | YES | YES | 104-54-1 | 203-212-3 | Not Detected |
| Citral: | YES | YES | 5392-40-5 | 226-394-6 | Not Detected |
| Citronellol: | NO | YES | 106-22-9 | 203-375-0 | Not Detected |
| Coumarin: | NO | YES | 91-64-5 | Not allocated | Not Detected |
| Eugenol: | YES | YES | 97-53-0 | 202-589-1 | Not Detected |
| Farnesol: | YES | YES | 4602-84-0 | 225-004-1 | Not Detected |
| Geraniol: | NO | YES | 106-24-1 | 203-377-1 | Not Detected |
| Hexyl Cinnamal: | YES | NO | 101-86-0 | 202-983-3 | Not Detected |
| Citronellal Hydrate: | YES | NO | 107-75-5 | 203-518-7 | Not Detected |
| iso-Eugenol: | YES | YES | 97-54-1 | 202-590-7 | Not Detected |
| Butyl Phenyl Methyl Propional: | YES | NO | 80-54-6 | 201-289-8 | Not Detected |
| Limonene: | YES | YES | 5989-27-5 | 227-813-5 | Not Detected |
| Linalool: | YES | YES | 78-70-6 | 201-134-4 | Not Detected |
| Hydroxyisohexyl-3-Cyclohexene Carboxaldehyde | NO | NO | 31906-04-4 | 250-863-4 | Not Detected |
| Methyl Heptin Carbonate: | YES | NO | 111-12-6 | 203-836-6 | Not Detected |
| Methyl Ionone: | YES | NO | 127-51-5 | 204-846-3 | Not Detected |
| Evernia Prunastri Extract [Oakmoss]: | YES | NO | 90028-68-5 | 289-861-3 | Not Detected |
| | | | 9000-50-4 | | |
| | | | 68917-10-2 | | |
| Evernia Furfuracea Extract [Treemoss]: | YES | NO | 90028-67-4 | 289-860-8 | Not Detected |
| | | | 68648-41-9 | | |
| | | | 68917-40-8 | | |

| 11.7 Additional EFFA Listed Sensitisers & IFRA Notifiable Substances. Detection Limit 0.001%. | | | | | |
|--|------|------|---------------|---------------|--------------|
| CONSTITUENT | IFRA | EFFA | CAS Number | EINECS Number | RANGE |
| No Additional Sensitisers | NO | NO | Not allocated | Not allocated | Not Detected |
| No Additional Notifiable Substances | NO | NO | Not allocated | Not allocated | Not Detected |

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| SECTION 12 – ECOLOGICAL INFORMATION |
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| 12.1 Eco-toxicity: | Avoid pollution to soil, rivers and the ocean. Aquatic Toxicity: [Fish] LC50 > 10 - <= 100 mg product/L. Method: ISO 7346/2 [semistatic]. Chronic Bacterial Toxicity: EC50 > 100 mg product/L. |
| 12.2 Persistence & Degradability: | Low persistence level and readily & rapidly biodegradable. All organic substances contained in the product achieve > 60% BOD/COD or CO2 liberation, or > 70% DOC reduction in tests for ease of degradability. Threshold values for 'readily degradable' [eg: to OECD method 301] are reached. The surfactant contained in this product complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Method: Annex III , part A. |
| 12.3 Mobility: | Low mobility in the soil. |
| 12.4 Bio-accumulative Potential: | None established. |
| 12.5 Other Adverse Effects: | None established. |

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| SECTION 13 – DISPOSAL CONSIDERATIONS |
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| 13.1 Waste Material: | Place material and / or absorbent into sealed containers and dispose of in accordance with current applicable laws and regulations. Refer to local Authority advice. |
| 13.2 Contaminated Packaging: | Dispose of in accordance with current applicable laws and regulations. Refer to local Authority advice. |
| 13.3 Note: | Empty containers can have residues, gases and mists. Use the proper Waste Disposal Methods & Procedures for Empties as well. |

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| SECTION 14 – TRANSPORT INFORMATION |
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| 14.1 Transportation: | Not Dangerous Goods according to criteria of the Australian Dangerous Goods Code for Transport by Road and Rail. No special transport required. Not to be transported with Classes 1 [Explosives], 2.1 [Flammable Gases] [nb this applies only when the capacity of individual container exceeds 500 Lt], 4.2 [Spontaneously Combustible Substances], 4.3 [Dangerous when wet Substances], 5.1 [Oxidising Agents], 5.2 [Organic Peroxides], 7 [Radioactive Substances], and Foodstuffs or Foodstuff empties. |
| 14.2 UN Number: | Not allocated. |
| 14.3 Proper Shipping Name: | Not Regulated. |
| 14.4 Technical Shipping Name: | Not applicable |
| 14.5 DG Class / Subsidiary Risk: | Not allocated. |
| 14.6 Packaging Group: | Not allocated. |
| 14.7 Special Precautions: | None established. |
| 14.8 Hazchem Code: | Not allocated. |

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| 14.9 Maritime Transportation IMDG | 14.10 Air Transportation ICAO-TI and IATA-DGR |
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|--|--------------------|----------------|---------------|----------------|-------------------|----------------|-------------------------|----------------|--------------------|----------------|--------------------------|----------------|------------------------------|----------------|---------------------------------|----------------|---|---------------------------|----------------|---------------|----------------|-------------------|----------------|-------------------------|----------------|------------------------------|----------------|---------------------------------|----------------|
| <table style="width: 100%; border-collapse: collapse;"> <tr><td>IMDG Class:</td><td>Not allocated.</td></tr> <tr><td>Label:</td><td>Not allocated.</td></tr> <tr><td>UN Number:</td><td>Not allocated.</td></tr> <tr><td>Packaging Group:</td><td>Not allocated.</td></tr> <tr><td>EMS Number:</td><td>Not allocated.</td></tr> <tr><td>Marine Pollutant:</td><td>Not allocated.</td></tr> <tr><td>Proper Shipping Name:</td><td>Not Regulated.</td></tr> <tr><td>Technical Shipping Name:</td><td>Not applicable</td></tr> </table> | IMDG Class: | Not allocated. | Label: | Not allocated. | UN Number: | Not allocated. | Packaging Group: | Not allocated. | EMS Number: | Not allocated. | Marine Pollutant: | Not allocated. | Proper Shipping Name: | Not Regulated. | Technical Shipping Name: | Not applicable | <table style="width: 100%; border-collapse: collapse;"> <tr><td>ICAO / IATA Class:</td><td>Not allocated.</td></tr> <tr><td>Label:</td><td>Not allocated.</td></tr> <tr><td>UN Number:</td><td>Not allocated.</td></tr> <tr><td>Packaging Group:</td><td>Not allocated.</td></tr> <tr><td>Proper Shipping Name:</td><td>Not Regulated.</td></tr> <tr><td>Technical Shipping Name:</td><td>Not applicable</td></tr> </table> | ICAO / IATA Class: | Not allocated. | Label: | Not allocated. | UN Number: | Not allocated. | Packaging Group: | Not allocated. | Proper Shipping Name: | Not Regulated. | Technical Shipping Name: | Not applicable |
| IMDG Class: | Not allocated. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Label: | Not allocated. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UN Number: | Not allocated. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Packaging Group: | Not allocated. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EMS Number: | Not allocated. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Marine Pollutant: | Not allocated. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Proper Shipping Name: | Not Regulated. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Technical Shipping Name: | Not applicable | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ICAO / IATA Class: | Not allocated. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Label: | Not allocated. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UN Number: | Not allocated. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Packaging Group: | Not allocated. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Proper Shipping Name: | Not Regulated. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Technical Shipping Name: | Not applicable | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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SECTION 15 – REGULATORY INFORMATION

| | | |
|----------------------------------|-------------|---|
| 15.1 Risk Symbols: | Xi | Irritant. |
| | N | Dangerous for the Environment. |
| 15.2 Risk Phrases: | R36 | Irritating to eyes. |
| | R38 | Irritating to skin. |
| | R41 | Risk of serious eye damage. |
| | R52 | Harmful to aquatic organisms. |
| | R53 | May cause long-term adverse effects in the aquatic environment. |
| 15.3 Safety Phrases: | [S2] | [Keep out of the reach of children]. |
| | S3 | Keep in a cool place. |
| | S7 | Keep container tightly closed. |
| | S15 | Keep away from heat. |
| | S24 | Avoid contact with skin. |
| | S25 | Avoid contact with eyes. |
| | S26 | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |
| | S27 | Take off immediately all contaminated clothing. |
| | S28 | After contact with skin, wash immediately with plenty of soap and water. |
| | S29 | Do not empty into drains. |
| | S36 | Wear suitable protective clothing. |
| | S37 | Wear suitable gloves. |
| | S39 | Wear eye / face protection. |
| | S45 | In case of accident or if you feel unwell, seek medical advice immediately [show the label where possible]. |
| | S51 | Use only in well-ventilated areas. |
| | S60 | This material and its container must be disposed of as hazardous waste. |
| | S64 | If swallowed, rinse mouth with water, [only if the person is conscious]. |
| 15.4 SUSMP Schedule: | | Not Scheduled. |
| 15.5 SUSMP Name: | | Not allocated. |
| 15.6 Warning Statements: | | Not allocated. |
| 15.7 Safety Directions: | 1 | Avoid contact with eyes. |
| | 3 | Wear eye protection when mixing or using. |
| | 4 | Avoid contact with skin. |
| | 5 | Wear protective gloves when mixing or using. |
| | 6 | Wash hands after use. |
| | 11 | No smoking. |
| | 15 | Store under cover in a dry, clean, cool, well ventilated place away from sunlight. |
| | 23 | Keep away from heat, sparks and naked flames. |
| | 25 | Avoid contact with food. |
| 15.8 Standard Statements: | A | For advice, contact a Poisons Information Centre [Phone eg Australia 131126; New Zealand 0800 764 766] or a doctor at once. |
| | G3 | If swallowed, do NOT induce vomiting. |
| 15.9 AICS: | | This product's ingredients are listed on the Public AICS Database. |

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16. ADDITIONAL INFORMATION

16.1 Revision Date: 17th August 2012

16.3 QUALITY DECLARATION

At New Directions we firmly believe that Quality Control is of the utmost importance and it is imperative that the most meticulous tests are carried out for every product in our range.

Uncompromising quality is a responsibility, which we take seriously.

New Directions' commitment to quality is coordinated by our in-house Qualified Aromatherapist, Chief Chemist and Quality Control Chemist.

The most rigorous processes are implemented to determine the purity and potency of sourced oils & raw materials.

By maintaining this intense level of Quality Control and Developing New Methods & Techniques, New Directions can ensure Superior Quality Products.

This Coco Glucoside has been tested and it conforms to our High Standard Quality requirements.

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16.4 ANIMAL TESTING POLICY DECLARATION

In the long ago past [before the concern over animal testing] some of the excipients and some of the actives have been tested on animals. This is no longer conducted for these components.

Both the TGA and NICNAS [Australian regulatory agencies which control the use of ALL ingredients used in therapeutics and cosmetics, respectively] require toxicity and safety testing on ALL new raw materials before they will allow their use in Australia.

While the industry is developing non-animal test methods this still does not completely eliminate the need for animal testing. When available the industry uses these alternate tests in preference to animal testing.

Typically these initial tests on a new substances will occur in the UK or USA in accordance with the regulatory agencies there, 5 to 10 years before the material is used in Australia. Based on these initial results, new substances are usually approved by the Australian regulatory agencies for use without further animal testing being required.

New Directions Australia does not test raw materials on animals, neither initially or as a routine test, [nor by outside sources our behalf].

The product Suppliers for New Directions Australia do not test their products on animals, neither initially or as a routine test.

None of New Directions Australia finished formulations are tested on animals, either initially or as a routine test, except, of course, humans in controlled efficacy tests and against bacteria in preservative efficacy testing.

New Directions Australia's Animal Cruelty-Free Policy extends to using ingredients and raw materials from vegetable sources when ever possible.

16.5 DISCLAIMER

This Material Safety Data Sheet was prepared according to:
The National Code of Practice for the Preparation of Material Safety Data Sheets [NOHSC:2011 (2003)].

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16.6 MANUFACTURED PRODUCTS INGREDIENT DISCLAIMER

As the availability of ingredients and raw materials is not always certain whether due to changes in nature or otherwise, New Directions Australia Pty Ltd reserves the right to substitute alternate ingredients/raw materials in the manufacture of its products and bases in order to maintain supply to its customers. Customers should always refer to the ingredients label as affixed to each product or to specification sheets which are current at the time of supply of the product.

16.7 LABELLING DISCLAIMER

New Directions Australia Pty Ltd is a wholesaler of natural skin care products. If you intend to re-label our products under your own name/brand for the purpose of on-selling or retailing, we thoroughly recommend that you keep up to date with constant changing labelling laws. Please visit www.accc.gov.au or www.nicnas.gov.au. New Directions Australia Pty Ltd cannot be held responsible for consequential loss/product recall due to incorrect labelling.

16.8 ACRONYMS

| | |
|-----------------|--|
| < | less than |
| > | greater than |
| °C | degrees Celsius |
| ACCC | Australian Competition and Consumer Commission |
| ADG | Australian Dangerous Goods |
| AICS | Australian Inventory of Chemical Substances |
| ACGIH | American Conference of Governmental Industrial Hygienists |
| AS | Australian Standard |
| BOD | Biochemical Oxygen Demand |
| CAS | Chemical Abstracts Service (Registry Number) |
| cm ³ | cubic centimetres |
| COD | Chemical Oxygen Demand |
| CosIng | The European Commission database with information on Cosmetic Ingredients & Substances |
| DG | Dangerous Goods |
| EFFA | European Flavour Association |
| EINECS | European Inventory of Existing Commercial Chemical Substances (Identifying Number) |
| EU | Europe / European |
| g | gram |
| GMO | Genetically modified organism |
| Hazchem Code | Emergency action code of numbers and letters that provide information to emergency services especially fire fighters |
| Hr | Hour |
| HSIS | The Safe Work Australia Hazardous Substances Information System |
| IATA | The International Air Transport Association |
| ICAO | The International Civil Aviation Organization |
| IFRA | The International Fragrance Association |
| IMDG | International Maritime Dangerous Goods |
| INCI | The International Nomenclature of Cosmetic Ingredients |
| kg | kilogram |
| 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. This is normally quoted in mg/kg body weight. |
| 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. This is normally quoted in mg/kg body weight. |
| LDLo | LDLO stands for Lethal Dose Low, the minimum amount of a material which tests have shown will be lethal to a specified type of animal. This is normally quoted in mg/kg body weight. |
| Lt | Litre |

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16.8 ACRONYMS Continued

| | |
|----------------------|--|
| Max. | maximum |
| mg | milligram |
| Min. | minimum |
| ml | millilitre |
| m³ | cubic metre |
| mm | millimetre |
| mm Hg | millimetre of Mercury |
| MSDS | Material Safety Data Sheet |
| N/A | Not Applicable |
| NICNAS | The National Industrial Chemicals Notification and Assessment Scheme (AUSTRALIA) |
| NIOSH | The National Institute for Occupational Safety and Health (USA) |
| NOHSC | National Occupational Health and Safety Commission (AUSTRALIA) |
| n.o.s. | Not otherwise specified |
| NZS | New Zealand Standard |
| OECD | Organization for Economic Co-operation and Development (Test Method number) |
| OSHA | The Occupational Safety and Health Administration (USA) |
| PEL | Permissible Exposure Limit |
| ppb | parts per billion |
| ppm | parts per million |
| RTECS | The Registry of Toxic Effects of Chemical Substances |
| SCCNFP | Scientific Committee on Cosmetic Products and Non-Food Products (EUROPE) |
| STEL | Short Term Exposure Limit |
| SUSMP | Standard for the Uniform Scheduling of Medicine & Poisons (AUSTRALIA) |
| TD | TD stands for Toxic Dose. TD is the amount of a material, given all at once, which causes the untoward symptoms in the majority of persons, or in the majority of a group of test animals. This is normally quoted in mg/kg body weight. |
| TGA | Therapeutic Goods Administration (AUSTRALIA) |
| TLV | Threshold Limit Value |
| TWA | Time Weighted Average |
| UN | United Nations (number) |
| USA | The United States of America |
| µg | microgram |
| µl | microlitre |

16.9 Data Sources: AICS; Australian Code for the Transport of Dangerous Goods by Road & Rail; CosIng; Supplier Documentation; ECHA; HSIS; IATA Dangerous Goods Regulations; IFRA; IMDG Code; The International Cosmetic Ingredient Dictionary and Handbook; NICNAS; SUSMP.

16.10 Document Prepared By: Brian Boggs, Senior Documentation & Regulatory Chemist.