



NEW DIRECTIONS

A R O M A T I C S

MATERIAL SAFETY DATA SHEET

SECTION: 1.1 PRODUCT IDENTIFICATION

Product Name: Coco Glucoside – Raw Material
Synonyms: Coco glucoside
Product Use: Surfactant
Country of Origin: Canada

SECTION: 1.2 COMPANY IDENTIFICATION

Company: New Directions Aromatics Inc.
Address: 6781-Columbus Road, Mississauga. L5T 2G9 Canada
Telephone No: 905-362-1915
FAX: 905-362-1926

24 HOUR EMERGENCY TELEPHONE NUMBER: (613)-996-6666 CANUTEC

SECTION: 2. COMPOSITION / INFORMATION INGREDIENTS

Component	CAS Number	EINECS Number	Proportions [%w/w]
Polyalkylglycoside C8-16	141464-42-8	Not allotted	>50 - <60
Water	7732-18-5	Not allotted	>40 - <50

SECTION: 3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Low hazard for usual industrial or commercial handling.
Routes of entry: Skin contact
Inhalation: May cause respiratory irritation.
Skin Contact: Causes skin irritation
Eye Contact: Causes serious eye irritation.
Ingestion: May be harmful if swallowed.
Potential Chronic Health Effects: Not known

SECTION: 4. FIRST AID MEASURES

Eye Contact: Contact with eyes can produce burning sensation. Irrigate with water immediately, continue flushing eyes with water for 15 minutes. Seek medical attention if irritation persists.
Inhalation: Remove to fresh air.
Ingestion: Rinse mouth; dilute with milk or water and consult a physician immediately. Do not induce vomiting. Never-give anything by mouth if victim is unconscious, is rapidly-losing or is convulsing.
Skin Contact: Skin contact can produce irritation, or itching of the skin. Remove contaminated clothing. Wash plenty of water. Seek medical attention if irritation persists.

SECTION: 5. FIRE FIGHTING MEASURES

Flammable Limits: >100°C
Extinguishing media: Water Spray, Carbon Dioxide, dry chemical or foam.
DO NOT USE direct water jet on burning material.
Special Procedures: Determine the need to evacuate or isolate the area according to your local emergency plan.
Unusual Firefighting Hazards: None identified.



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Protective Equipment: Self-contained breathing apparatus and protective clothing should be worn when fighting fires involving oils or chemicals.

Combustion Product: Carbon Monoxide, Carbon Dioxide

SECTION: 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use of self-contained breathing apparatus is recommended for any major chemical spill. Refer also to section 8.

Safety Precautions: Add dry material to absorb spill (if large spill, dike to contain)

Environmental Precautions: Keep away from drains, surface and ground water. Report spills to appropriate Authorities if required.

Methods For Cleaning Up: Pick up spilled material and containerize for recovery or disposal. Flush area with water to remove residues.

SECTION: 7. HANDLING AND STORAGE

Handling: Avoid inhalation and contact with skin and eyes. Good personal hygiene practices should be used. Wash after any contact,

Storage: Containers should be kept closed in order to minimize contamination. Store in sealed original container.

SECTION: 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eyes Protection: The use of safety glasses is recommended. If a material is to be handled in a manner where splashing may occur, the use of splash goggles or face shield is recommended.

Respiratory Protection: In well-ventilated areas, respiratory protection is not normally required. In confined, poorly ventilated areas the use of "NIOSH" approved respiratory protection normally required (use only if trained in proper use and with acceptable oxygen level).

Protective Gloves: Using chemical resistant gloves is recommended.

Protective Clothing: Using chemical resistant clothing is recommended.

Protective Equipment: An eyewash fountain and / or safety shower should be available in the work

SECTION: 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Pale yellow to yellow viscous liquid

Odor: Little intrinsic odor

Density: 1.1 g/cm³

Solubility: Complete soluble in water in all proportion.

pH: 12

Flash Point: >100°C [Closed Cup]

Melting Point: Not Available

SECTION: 10. STABILITY AND REACTIVITY

Stability: Chemically stable, non hazardous material.

This material presents no significant reactivity hazard.

Conditions to Avoid: Avoid sparks, flame and excessive heat.

Materials to Avoid: Strong oxidizing agents, Bases, Strong Acids.

Hazardous Polymerization: Will not occur.



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Hazardous Combustion or Decomposition Products: None known.

SECTION: 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity: LD50 > 2000 mg/kg body weight (analogy)
Skin irritation: irritating
Method: OECD 404
Eye irritating: Severely irritating
Method: OECD 405
In vitro mutagenicity: Not mutagenic (analogy)
Carcinogenicity Data: None of the components of this material are listed as a carcinogen.
Reproductive Toxicity: No adverse effects on reproduction are known.
Acute Toxicity Values: No data is currently available.

SECTION: 12. ECOLOGICAL INFORMATION

General ecological information: The ecological evaluation of the product is based on data from the raw material and/ or comparable substance.
Acute fish toxicity: LC50 > 10 - <=100 mg product/l.
Method: Chronic bacterial toxicity according to test method DIN 38 412 p. 8.
Ultimate biodegradation: Readily and rapidly degradable. All organic substance 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' (e.g. to OECD method 301) are reached.

SECTION: 13. DISPOSAL CONSIDERATION

Incineration or sanitary landfill in accordance with local, provincial and federal regulations. Check with disposal expert to insure compliance.

SECTION: 14. TRANSPORT INFORMATION

General information: Not hazardous according to RID, ADR, ADNR, IMDG, IATA-DGR, CFR and TDG.
T.D.G. Classification: Not regulated
D.O.T. Classification: Not regulated
The transport information provided represents the regulatory transport classification of the product without consideration to packaging, quantity, or modal restrictions and exceptions. It is the user's responsibility to determine the appropriate packaging and modal requirements and/or limitations for the product quantity being shipped.

SECTION: 15. REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulation (CPR) and the MSDS contain all the information required by the CPR.

Occupational Health and Safety Regulations:

WHMIS Class Class D Division 2B
DSL Inventory Status: This product or all of its components are currently listed on the Domestic Substance List (DSL), as described under the Canadian Environmental Protection Act.



NEW DIRECTIONS AROMATICS

MATERIAL SAFETY DATA SHEET

TSCA Inventory Status:	This product and/or all of its components are either included on or exempt from the TSCA Inventory of Chemical Substances.		
SARA 311/312 Hazard Categories:	Immediate health		
TSCA 12 (b) Components:	None		
SARA 313 Toxic Chemicals:	None		
SARA 302 Extremely Hazardous Substances:	None		
CERCLA Hazardous Chemicals:	None		
California Proposition 65:	No California Proposition 65 listed chemicals are known to be present.		
HMIS	Health 2	Fire 1	Reactivity 0

SECTION: 16. OTHER INFORMATION

Revision Date: November 21, 2011

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SECTION: 17. DISCLAIMER

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CERTIFICATE OF ANALYSIS

Product: Coco Glucoside – Raw Material
Lot No.: 16072-A05
Manufacturing Date: May 2011
Best before: May 2013

<u>Property</u>	<u>Specification</u>	<u>Result</u>
Appearance:	Pale yellow to yellow viscous liquid	Complies
Odor:	Little intrinsic odor	Complies
Solubility:	Complete soluble in water in all proportion.	
Active Substance %:	51 - 53	52.2
Water %:	47 - 49	47.8
pH, 20% in 15/85 IPA/Water:	11.5 – 12.5	11.6
Viscosity, mpas, 20 °C	2500 - 6000	3780

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NEW DIRECTIONS AROMATICS

CERTIFICATE OF ANALYSIS

Product: Coco Glucoside – Raw Material
Lot No.: 16072-A06/B06
Manufacturing Date: July 2011
Best before: July 2013

<u>Property</u>	<u>Specification</u>	<u>Result</u>
Appearance:	Pale yellow to yellow viscous liquid	Complies
Odor:	Little intrinsic odor	Complies
Solubility:	Complete soluble in water in all proportion.	
Active Substance %:	51 - 53	52.6
Water %:	47 - 49	47.4
pH, 20% in 15/85 IPA/Water:	11.5 – 12.5	11.5
Viscosity, mpas, 20 °C	2500 - 6000	2840

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