

Safety Data Sheet

This product has been classified in accordance

With Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: December 9, 2015

Version: 2.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product form : Mixture
 Product name : EXO-T™

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Component that could be included in cosmetic formulation

1.3. Details of the supplier of the safety data sheet

Lucas Meyer Cosmetics Canada Inc.
 Place de la Cité, Tour de la Cité - 2600 boul. Laurier #900
 G1V 4W2 Québec (Québec) - CANADA
 T (418) 653-6888 - F (418) 653-6005
info@lucasmeyercosmetics.com

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number
CANADA	Lucas Meyer Cosmetics Canada Inc.		+1-418-653-6888 (business hours only)
USA	Poison Control Center		1-800-222-1222

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****GHS-US classification**

Not classified

WHMIS Classification

Uncontrolled - Uncontrolled product according to WHMIS classification criteria

2.2. Label elements**GHS-US labelling**

No labelling applicable

2.3. Other hazards

Other hazards not contributing to the classification : None, to our knowledge.

SECTION 3: Composition/information on ingredients**3.1. Substance**

Not applicable

3.2. Mixture

Description: : Exopolysaccharides from Vibrio Alginolyticus in hydroglycolic solution.

Name	Product identifier	%	GHS-US classification
Water	(CAS No) 7732-18-5 (EC no) 231-791-2	< 75	Not classified
Butylene glycol	(CAS No) 107-88-0 (EC no) 203-529-7	< 50	Not classified
Vibrio Alginolyticus Ferment filtrate	(CAS No) 1014692-49-9 (EC no) ---	< 10	Not classified

SECTION 4: First aid measures**4.1. Description of first aid measures**

First-aid measures after inhalation : Move the affected person away from the contaminated area and into the fresh air. Get medical advice and attention if you feel unwell.

First-aid measures after skin contact : Wash with plenty of soap and water. If irritation persists, consult a doctor.

First-aid measures after eye contact : Immediately rinse with water for a prolonged period while holding the eyelids wide open. Consult an ophthalmologist if irritation persists.

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First-aid measures after ingestion : Rinse mouth out with water. Never attempt to induce vomiting. Get medical advice and attention if you feel unwell.

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

Symptoms/injuries : No specific effects and/or symptoms are known.

4.3. Indication of any immediate medical attention and special treatment needed

No immediate medical care or specific treatment identified.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide (CO₂). Powder. Foam. Water spray.
 Unsuitable extinguishing media : Do not use solid water stream.

5.2. Special hazards arising from the substance or mixture

Reactivity : Carbon oxydes (CO, CO₂). Butadiene.

5.3. Advice for firefighters

Firefighting instructions : Contain the extinguishing fluids by bunding. Use water spray or fog for cooling exposed containers.
 Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Avoid contact with skin and eyes. Do not breathe vapours.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Contain the spilled material by bunding. Do not allow product to spread into the environment.

6.3. Methods and material for containment and cleaning up

For containment : Take up liquid spill into absorbent material, e.g.: sand, earth, vermiculite, kieselguhr, powdered limestone.
 Methods for cleaning up : Wash contaminated area with large amounts of water.
 Other information : Dispose of contaminated materials in accordance with current regulations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes. Do not breathe vapours.
 Hygiene measures : Do not drink, eat or smoke in the workplace. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed. Store in dry, well-ventilated area. Store in a dark area. Keep away from heat.
 Incompatible products : Strong oxidizing agents. Sulphuric acid. Phosphoric acid. Acetic anhydride.
 Storage temperature : Room temperature (20°C)
 Packaging materials : Original packaging.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Water (7732-18-5)	
ACGIH	Not applicable
OSHA	Not applicable
Butylene glycol (107-88-0)	
ACGIH	Not applicable
OSHA	Not applicable
Vibrio Alginolyticus Ferment filtrate (1014692-49-9)	
ACGIH	Not applicable
OSHA	Not applicable

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8.2. Exposure controls

Appropriate engineering controls	: Ensure good ventilation of the work station.
Hand protection	: Protective gloves. The protective gloves to be used must comply with the specifications of EC directive 89/686/EEC and the resultant standard EN 374. Breakthrough time : refer to the recommendations of the supplier.
Eye protection	: Safety glasses.
Skin and body protection	: Protective clothing.
Respiratory protection	: If the ventilation is suitable, it is not essential to wear respiratory equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Viscous solution
Colour	: Slightly off-white to beige
Odour	: Characteristic.
Odour threshold	: No data available
pH	: 5.0 – 7.0
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: Not applicable (aqueous liquid)
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 0.9 – 1.1
Solubility	: Water: Miscible
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Not explosive.
Oxidising properties	: Non oxidizing material according to EC criteria.
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

To our knowledge, the product does not present any particular risk.

10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

10.3. Possibility of hazardous reactions

None to our knowledge.

10.4. Conditions to avoid

Heat. Light sensitive.

10.5. Incompatible materials

Strong oxidizing agents. Sulfuric acid. Phosphoric acid. acetic anhydride

10.6. Hazardous decomposition products

On combustion or on thermal decomposition (pyrolysis) releases : Carbon oxides (CO, CO₂). Butadiene.

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SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity	: Not classified (Based on available data, the classification criteria are not met)
Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: 5.0 – 7.0
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: 5.0 – 7.0
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity (single exposure)	: Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity (repeated exposure)	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)

SECTION 12: Ecological information**12.1. Toxicity**

EXO-T™	
EC50 Daphnia (Test OECD 202)	> 140 mg/L/48h

12.2. Persistence and degradability

EXO-T™	
Persistence and degradability (OECD 301D Closed bottle)	T 14 d : 39% T 28 d : 86.5%
Chemical oxygen demand (COD)	0,0004 g O ₂ /g substance

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Waste treatment methods	: Do not discharge into drains or rivers. Dispose of in accordance with relevant local regulations.
Additional information	: Empty the packaging completely prior to disposal. Recycle or dispose of in compliance with current legislation.

SECTION 14: Transport information

In accordance with DOT
Not regulated for transport

Additional information

Other information	: No supplementary information available.
Special transport precautions	: No additional information available.

ADR

Not regulated for transport

Transport by sea

Not regulated for transport

Air transport

Not regulated for transport

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SECTION 15: Regulatory information**15.1. US Federal regulations****Water (7732-18-5)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Butylene glycol (107-88-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Vibrio Alginolyticus Ferment filtrate (1014692-49-9)

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulation**CANADA****EXO-T™**

WHMIS Classification	Uncontrolled product according to WHMIS classification criteria
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Water (7732-18-5)

Listed on the Canadian DSL (Domestic Substances List)

WHMIS Classification	Uncontrolled product according to WHMIS classification criteria
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Butylene glycol (107-88-0)

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Vibrio Alginolyticus Ferment filtrate (1014692-49-9)

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EU-Regulations**Water (7732-18-5)**

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Butylene glycol (107-88-0)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Vibrio Alginolyticus Ferment filtrate (1014692-49-9)

Not listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

15.2.2. National regulations

No additional information available

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer and/or reproductive toxicity

SECTION 16: Other information

Other information	: PCPC (ex CTFA): substances listed
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HMIS III Rating

Health	: 0 Minimal Hazard - No significant risk to health
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Flammability	: 0 Minimal Hazard
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Physical	: 0 Minimal Hazard
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Personal Protection	: B
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SDS US (GHS HazCom 2012)

Information and suggestions that may be provided by us, including with respect to the composition or use of our ingredients, are provided in good faith, based on the state of our current technical and scientific knowledge, but without any warranty as to their relevance, accuracy, completeness, presentation, use or otherwise. No express or implied license on patents or other intellectual property rights shall be deemed given as a result of such information or suggestions being provided. No warranty is given that the use of our ingredients, alone or in combination with other products, or the information and suggestions that we may provide are not infringing the intellectual property rights of third parties. Any person relying on the information and suggestions that we are providing shall do so at his own risk and we will therefore accept no liability whatsoever with respect thereto. Any person using our ingredients in the formulation of his finished products is solely responsible for ensuring that the use made of our ingredients, the finished products that he is placing on the market as well as their packaging, labelling and advertising materials and the claims he makes with respect to his finished products and the ingredients they contain comply with applicable laws and regulations and are not infringing third parties' rights. We hereby disclaim any warranty of suitability of our ingredients for any purpose. Any user of our ingredients shall himself determine the suitability of our ingredients for his intended use and, as the case may be, obtain the required regulatory approvals for the commercialization of his finished products. Any information or suggestion that may be provided by us shall in no manner be interpreted as a legal or regulatory advice. Any person wishing to receive same shall consult his own legal or regulatory affair advisors for legal or regulatory advices.