

MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT IDENTIFICATION

Product Name: **BIO-LUX ORANGEL**

Product use: Antimicrobial Lotion Soap

WHMIS Class: D2B

TDG Classification: Not regulated

UN Number: Not applicable

T.D.G. Shipping Name: Not applicable

Manufactured by:

Chemotec PM Inc.

8820 Place Ray Lawson

Anjou, Quebec, Canada H1J 1Z2

Telephone: (514) 729-6321; 1-800-729-6321

Emergency Phone: as above or call **CANUTEC** (613) 996-6666 in case of **chemical emergency only.**

SECTION 2: HAZARDOUS INGREDIENTS

<u>Ingredients</u>	<u>CAS #</u>	<u>Wt %</u>	<u>LC₅₀</u>	<u>LD₅₀</u>
Sodium lauryl sulfate	151-21-3	1-5	1,288 mg/kg (oral, rat)	N/Av
Cocamide DEA	68603-42-9	1-5	700 mg/kg (oral, rat)	N/Av
Sodium laureth sulfate	68585-34-2	1-5	1,600 mg/kg (oral, rat)	N/Av
Glycerine	56-81-5	0.1-1.0	12,600 mg/kg (oral, rat)	N/Av

SECTION 3: PHYSICAL DATA

Boiling Point (°C): 100	Specific Gravity (H ₂ O = 1): 1.02 at 20 °C
Vapor Pressure (mm Hg): 20 (water)	% Volatile (Wt %): approx. 80
Vapor Density (Air = 1): 0.6 (water)	Evaporation Rate (n-BuAc = 1): 0.4
Solubility in Water: Complete	pH (as supplied): 6.5 - 7.8
Physical State: Liquid	Viscosity: 2,500 – 3,500 cps at 25 °C
Appearance and Odor: Orange pearlescent liquid with orange scent.	Odor Threshold (ppm): n/a

SECTION 4: FIRE AND EXPLOSION DATA

Flammability: Not flammable, not combustible.

Flash Point (TCC, °C): > 93.3 LEL: Not applicable UEL: Not applicable

Hazardous Combustion Products: Smoke, carbon oxides, nitrogen oxides, sulfur oxides.

Autoignition Temperature (°C): Not available.

Means of Extinction: Water, foam, dry chemicals, carbon dioxide.

Special Fire Hazards: A stream of water directed into the product generates a lot of foam.

SECTION 5: REACTIVITY DATA

Conditions for Chemical Instability: This product is stable under normal conditions. It does not polymerize.

Incompatible Materials: Not available.

Reactivity, and Under What Conditions: Not available.

Hazardous Decomposition Products: Unknown.

SECTION 6: TOXICOLOGICAL PROPERTIES

Route of Entry: Eyes, ingestion, inhalation.

EFFECTS OF ACUTE EXPOSURE:

Eye: Irritant, may cause redness, tears, burning sensation.

Skin: No effect.

Ingestion: Headache, nausea, vomiting, abdominal pain, and diarrhea may occur.

Inhalation: No effect.

EFFECTS OF CHRONIC EXPOSURE:

Irritancy: Not irritating.

Skin Sensitization: Not sensitizing.

Carcinogenicity: No ingredients are carcinogenic.

Teratogenicity, No ingredients are known to be teratogens.

Mutagenicity: No ingredients are known to be mutagens.

Synergistic Materials: None known.

SECTION 7: PREVENTATIVE MEASURES

Gloves: Not required.

Eye Protection: Safety glasses with side shields to manipulate large quantities.

Respiratory Protection: Not required.

Other Protective Equipment: Waterproof boots if large spill.

Engineering Controls: Not required

Leak and Spill Procedure: Wear personal protective equipment. Stop the leak. Pump the product

into drums for disposal, or clean up spills using absorbent material and place in waste container for destruction. Resume cleaning by rinsing with water. Caution floors will be slippery.

Waste Disposal: Dispose according to existing federal, provincial and municipal regulations.

Storage Requirements: Keep in original tightly closed containers, in a well ventilated room. Avoid freezing.

SECTION 8: FIRST AID

Eye: Immediately rinse with plenty of water for several minutes, keeping eyelids open. Seek medical attention should an irritation develops.

Skin: Not applicable

Inhalation: Not applicable.

Ingestion: Give plenty of water. Do not induce vomiting. Seek medical attention.

SECTION 9: PREPARATION INFORMATION

Date: 2011-10-03

Phone: (514) 729-6321

Prepared by:

Chemotec (PM) Inc.

Abbreviation:

n/a: not available

Disclaimer

Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the mandatory requirements of WHMIS. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this form. If user requires independent information on ingredients in this or any other material, we recommend contact with the Canadian Center for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (1-800-263-8276) or CSST in Montreal (514-873-3990).