MATERIAL SAFETY DATA SHEET (MSDS)

LANOLIN ANHYDROUS – EP GRADE

SECTION 1: IDENTIFICATION

Description	Information
Product Name	Lanolin Anhydrous – EP
Common Name	Anhydrous Lanolin / Wool Wax
INCI Name	Lanolin, BHT
CAS Number (Lanolin)	8006-54-0
EC Number (Lanolin)	232-348-6
CAS Number (BHT)	128-37-0
EC Number (BHT)	204-881-4
Product Grade	European Pharmacopoeia (EP 10.0)
Recommended Use	Cosmetic and personal care raw material

Supplier: Botanic Planet Canada Inc.
Address: 2 Bram Court, Unit #3, Brampton, ON L6W 3R6, Canada
Telephone: 905-455-4444
Emergency Contact: CANUTEC 613-996-6666 (transport emergencies only)

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification: Not established for the supplied mixture. Classification must be confirmed using the manufacturer's current SDS and BHT concentration.

Potential Hazards:

- May cause skin irritation or allergic contact reactions in susceptible individuals.
- Eye contact may cause temporary irritation.
- Heated material may cause thermal burns.
- Spilled material may create slippery surfaces.

Signal Word: Not determined
Hazard Pictograms: Not determined
Hazard Statements: Not determined
Precautionary Measures: Avoid prolonged contact with skin and eyes. Use appropriate protective equipment and follow good industrial hygiene practices.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS Number	EC Number	Concentration
Lanolin	8006-54-0	232-348-6	Not specified
Butylated Hydroxytoluene (BHT)	128-37-0	204-881-4	Not specified

Description: Refined anhydrous lanolin containing BHT as an antioxidant.
Note: The exact percentage of BHT has not been supplied and must be confirmed for final hazard classification.

SECTION 4: FIRST-AID MEASURES
Eye Contact: Immediately rinse cautiously with clean water for at least 15 minutes. Remove contact lenses if present and easy to do. Obtain medical attention if irritation persists.
Skin Contact: Wash affected area thoroughly with soap and water. Remove contaminated clothing. If irritation or an allergic reaction develops, seek medical advice.
Inhalation: Under normal handling conditions, inhalation exposure is unlikely. If heated vapours or mists are inhaled, move the affected person to fresh air.
Ingestion: Rinse mouth with water. Do not induce vomiting unless instructed by medical personnel. Seek medical advice if symptoms occur.

SECTION 5: FIRE-FIGHTING MEASURES
Suitable Extinguishing Media:
- Carbon dioxide (CO_2)
- Dry chemical powder
- Foam
- Water fog for cooling exposed containers

Unsuitable Extinguishing Media: Avoid direct high-pressure water jets.
Specific Hazards: Combustion may produce carbon monoxide, carbon dioxide, smoke, and irritating fumes.
Protective Equipment: Firefighters should wear suitable protective clothing and self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES
Personal Precautions: Avoid contact with skin and eyes. Spilled material may create slippery conditions.
Environmental Precautions: Prevent entry into drains, waterways, and soil.
Cleanup Methods:
1. Allow heated material to cool if necessary.
2. Collect solid or semi-solid material using suitable tools.
3. Absorb remaining residue with inert absorbent material.
4. Transfer waste to an appropriate disposal container.
5. Clean the affected surface to remove slippery residue.

Dispose of waste in accordance with applicable regulations.

SECTION 7: HANDLING AND STORAGE

Handling Precautions:

- Use clean, dry equipment.
- Avoid unnecessary exposure to heat and air.
- Prevent contamination during handling.
- Avoid direct contact with heated material.
- Follow good manufacturing and hygiene practices.

Storage Conditions:

- Store between 15°C and 30°C.
- Keep in the original, tightly sealed container.
- Protect from light, moisture, and excessive heat.
- Avoid prolonged exposure to air and oxidizing agents.
- The supplied material is packed under a nitrogen atmosphere to minimize oxidation.
- If opened for sampling, replenish the container headspace with nitrogen before resealing where appropriate.

Shelf Life: Three years from the manufacturing date when stored under recommended conditions.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits: No mixture-specific exposure limits supplied.
Engineering Controls: General workplace ventilation is normally adequate. Provide appropriate ventilation when heating the material.
Eye Protection: Safety glasses or protective goggles.
Hand Protection: Suitable chemical-resistant gloves.
Skin Protection: Protective clothing as appropriate for the handling process.
Respiratory Protection: Normally not required during routine handling. Appropriate respiratory protection may be needed if mists or heated vapours are generated.
Hygiene Measures: Wash hands after handling. Do not eat, drink, or smoke in handling areas.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Specification / Reported Value
Physical State	Semi-solid, wax-like substance
Appearance	Yellowish wax-like material
Odour	Characteristic
Drop Point	39.6°C (reported batch result)
Acid Value	0.84
Peroxide Value	17.99
Saponification Value	98.29
Water-Absorption Capacity	23.8 mL
Loss on Drying	0.05%
Sulphated Ash	0.04%
Water Solubility	Insoluble
Flash Point	Not available
Boiling Point	Not available

Vapour Pressure	Not available
Relative Density	Not available
pH	Not applicable to anhydrous material
Auto-Ignition Temperature	Not available
Explosive Properties	Not determined

SECTION 10: STABILITY AND REACTIVITY
Chemical Stability: Expected to remain stable under recommended storage conditions.
Reactivity: No significant reactivity expected during normal handling.
Conditions to Avoid: Excessive heat, prolonged exposure to oxygen, direct sunlight, and contamination.
Incompatible Materials: Strong oxidizing agents.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, and irritating fumes during combustion.
Hazardous Polymerization: Not expected.

SECTION 11: TOXICOLOGICAL INFORMATION
Acute Toxicity: Mixture-specific data not available.
Skin Irritation: Lanolin may cause irritation or allergic contact dermatitis in susceptible individuals.
Eye Irritation: Direct contact may cause temporary irritation.
Skin Sensitization: Sensitization is possible in individuals allergic to lanolin or its components.
Respiratory Sensitization: Data not available.
Carcinogenicity: Mixture-specific data not available.
Reproductive Toxicity: Data not available.
Specific Target Organ Toxicity: Data not available.
Aspiration Hazard: Not determined.

SECTION 12: ECOLOGICAL INFORMATION
Ecotoxicity: Mixture-specific data not available.
Persistence and Degradability: Not determined.
Bioaccumulative Potential: Not determined.
Mobility in Soil: Not determined.
Environmental Precautions: Avoid uncontrolled release into drains, soil, and waterways.

SECTION 13: DISPOSAL CONSIDERATIONS
Dispose of product residues and contaminated packaging in accordance with applicable local, provincial, and federal regulations.
Do not discharge large quantities into drains or the environment.
Empty containers may retain product residues and should be handled appropriately.

SECTION 14: TRANSPORT INFORMATION

Transport Information	Status
UN Number	Not determined
Proper Shipping Name	Not determined
Transport Hazard Class	Not determined

Packing Group	Not determined
TDG (Canada)	Classification to be verified
ADR/RID (Road/Rail)	Classification to be verified
IMDG (Sea)	Classification to be verified
IATA/ICAO (Air)	Classification to be verified

Special Precautions: Protect containers from excessive heat, damage, and leakage during transport.

SECTION 15: REGULATORY INFORMATION

Product Grade: European Pharmacopoeia (EP 10.0), as identified in the supplier's Certificate of Analysis. Canadian WHMIS Classification: Requires confirmation based on the complete mixture composition and current supplier SDS. Cosmetic Applications: Intended for use as a cosmetic and personal care raw material, subject to applicable formulation and regulatory requirements. Additional Information: Contains BHT antioxidant. Its concentration must be considered when evaluating finished-product ingredient declarations and regulatory compliance.

SECTION 16: OTHER INFORMATION

Product Name: Lanolin Anhydrous – EP

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Botanic Planet Canada Inc. 2 Bram Court, Unit # 3-4 Brampton, Ontario, L6W 3R6 Canada
Email: info@botanicplanet.ca www.botanicplanet.ca