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LIBERTY NATURAL PRODUCTS, INC.

*The Source for the Finest
Pure and Natural Botanical Oils and Extracts*

Section 1. Product and Company Identification

| | |
|-------------------------|--|
| Product Name: | Cocoa Butter Deodorized |
| Product Code: | 1944 |
| Description: | Fixed Oil |
| Product Use: | Industrial |
| Manufacturer: | Liberty Natural Products, 20949 S Harris Rd, Oregon City, OR 97045 (800) 289-8427 |
| Emergency Phone: | Liberty Natural Products: (800) 289-8427 |

Section 2. Hazards Identification

| | |
|------------------------------|---------------|
| Category: | Non-Hazardous |
| Signal Word: | None |
| Ingestion: | N/A |
| Health Risks: | N/A |
| Eye Contact: | N/A |
| Skin Contact: | N/A |
| Environmental: | N/A |
| Pictograms: | N/A |
| PRECAUTIONARY STATEMENT: N/A | |

Section 3. Composition and Information on Ingredients

| | |
|----------------------------|------------------------|
| Chemical Name: | <i>Theobroma cacao</i> |
| Physical State: | Solid. |
| CAS #: | 8002-31-1 |
| Impurities: | None. |
| Trade Secret Claim: | None. |

Section 4. First Aid Measures

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|-----------------------------|---|
| Eyes: | Flush with large amounts of tepid water and seek medical attention. |
| Skin Contact: | Non-irritating |
| Inhalation: | Not a direct hazard |
| Ingestion in excess: | Not a direct hazard |
| Emergency Care: | Contact local emergency provider. For non-emergency, contact primary care provider. |

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PPE: Gloves, lab coat or uniform, safety glasses, eyewash, safety shower.

Section 5. Fire-Fighting Measures

Flammability: Flammable.

Extinguishing Media: SUITABLE: CO₂, sand, extinguishing powder
NON SUITABLE: Water.

Special Fire-Fighting Procedure: In case of insufficient ventilation, wear suitable respiratory equipment.

Unusual Fire and Explosion Hazards: Essential and vegetable oils have the potential to self-heat and contribute to spontaneous combustion when present on fabrics. Caution should be exercised in the storage and launder of fabrics exposed to oils.

PPE and Precautions for Firefighters: Protect skin and eyes.

Section 6. Accidental Release Measures

Personal Precautions: Follow company emergency procedures. Wear protective equipment and keep unprotected persons away. Keep away from ignition sources. Ensure area is well ventilated and avoid contact with eyes and mucous.

Environmental Precautions: Contain the spill with inert material and transfer to separate containers for recovery or disposal. Wash floor area with hot water solution. Remove contaminated clothing and wash before reuse. Wash affected skin areas with soap and water. Keep spills out of all sewers and bodies of water.

Containment: Absorb with clay, sand, or other non-combustible material. Prevent entry into waterways, sewers, and confined areas.

Clean Up: Transfer absorbent material to separate containers for recovery and disposal. Wash floor area with hot water solution. Remove contaminated clothing and wash before reuse. Wash affected skin areas with soap and water. Keep spills out of all sewers and bodies of water.

Section 7. Handling and Storage

Handling Precautions: Ensure good ventilation/exhaustion at the workplace. Any use of this product in an elevated temperature process should be evaluated to establish and maintain safe operating procedures.

Storage Precautions: Store in closed containers below 25 °C, in well-ventilated area. Ground containers to comply. Reseal in airtight containers and Nitrogen blanket after opening when possible. Do not puncture, drag or slide containers.

Other: See Section 8

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Section 8. Exposure Controls/Personal Protection

| | |
|---|---|
| Engineering Controls: | For normal operation, local exhaust ventilation should suffice. Direct exhaust when material becomes heated and vapors are given off. |
| Respiratory Protection: | Assure a good ventilation of work place. No special respirator needed. |
| Hand Protection: | Wear suitable gloves. |
| Eye Protection: | Goggles give complete protection to eyes. Keep eyewash bottle with clean water handy. |
| Skin and Body Protection: | Clothes for chemical protection to avoid contact. |
| Ingestion: | Do not eat, drink and smoke while using. |
| Industrial Hygiene: | Follow your company policy. |
| OSHA Permissible Exposure Limits (PELs): | N/A |
| ACGIH Threshold Limit Values: | N/A |

Section 9. Physical and Chemical Properties

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|---|--------------------------------|
| Appearance: | Tan |
| Upper/Lower Flammability: | N/A |
| Odor: | Characteristic, Mild Chocolate |
| Vapor Pressure: | N/A |
| Odor Threshold: | N/A |
| Vapor Density: | N/A |
| pH: | N/A |
| Relative Density: | N/A |
| Melting Point: | 96.8°F / 36°C |
| Freezing Point: | N/A |
| Solubility: | Insoluble in water |
| Initial Boiling Point and Boiling Range: | N/A |
| Flash Point: | 482°F / 250°C |
| Evaporation Rate: | N/A |
| Flammability Category: | N/A |
| Partition Coefficient: | N/A |
| Auto-ignition Temperature: | N/A |
| Decomposition Temperature: | N/A |
| Viscosity: | N/A |
| Specific Gravity: | 0.90 - 0.91 at 50°C |

Section 10. Stability and Reactivity

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|------------------------------|---|
| Stability: | Stable under normal circumstances. Avoid heat and ignition sources. |
| Avoid: | Excessive heat. |
| Incompatibility: | Strong oxidizing agents. |
| Hazardous Byproducts: | None in normal conditions |
| Other: | None |

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Section 11. Toxicological Information

| | |
|--|------------------------------|
| Toxicological and Health Effects: | N/A |
| Likely Routes of Exposure: | Eyes, nose, mouth, skin. |
| Signs and Symptoms of Exposure: | See section 2. Non hazardous |
| LD50 median lethal dose: | N/A |
| Listed NTP Carcinogen: | N/A |
| INGESTION: | N/A |

Section 12. Ecological Information

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|-------------------------------------|--|
| TOXICITY: | No information available. Readily biodegradable. |
| PERSISTENCE / DEGRADABILITY: | No information available. |
| BIOACCUMULATION POTENTIAL: | No information available. |

RESULTS OF PBT AND vPvB

ASSESSMENT: No information available.

MOBILITY IN SOIL: Do not allow product to reach ground water, water course or sewage system.

OTHER ADVERSE EFFECTS: To be used under normal, good working procedures, avoid spillage in the environment. Whenever possible recover spilled product. When product must be discarded, do so into an authorized dump or recycling service station. Act in accordance with local & national regulations.

Section 13. Disposal Considerations

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|--------------------------------|---|
| Disposal Containers: | To comply with the regulations and prefectural orders in use. Throwing out forbidden. Packaging must be well emptied. |
| Waste Disposal: | Material should be disposed of in accordance to current local and national regulations. Contacting a waste disposal service is recommended. |
| Special Considerations: | Must be specially treated adhering to official regulations. |

Section 14. Transport Information

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|--------------------------------|-----|
| UN Number | N/A |
| UN Shipping Name: | N/A |
| Transport Hazard Class: | N/A |
| Packing Group Number: | N/A |
| Stowage and Handling: | N/A |

Section 15. Regulatory Information

Product Regulations: N/A

Section 16. Other Information

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This safety sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers.

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