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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:	Titanium Dioxide
Product Code:	1239
Description:	Natural Source
Product Use:	Cosmetic and Manufacturing
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

Section 3. Composition and Information on Ingredients

Chemical Name:	N/A
Physical State:	Powder.
CAS #:	13463-67-7
Impurities:	None.
Trade Secret Claim:	None.

Section 4. First Aid Measures

Eyes:	Rinse eyes immediately with running water at low pressure. Consult an ophthalmologist.
Skin Contact:	Wash area liberally with water.
Inhalation:	Relocate to fresh air; give artificial respiration if not breathing. Seek medical assistance as needed.
Ingestion in excess:	Do not try to induce vomiting. Rinse mouth. Consult a doctor never give anything by mouth to a person who is unconscious or having convulsions. Seek medical assistance as needed.

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Emergency Care: Contact local emergency provider. For non-emergency, contact primary care provider.
PPE: Gloves, lab coat or uniform, safety glasses, eyewash, safety shower.

Section 5. Fire-Fighting Measures

Flammability: Flammable.
Extinguishing Media : SUITABLE : CO2 foam, dry chemical.
NON SUITABLE: Water.
Special Fire-Fighting Procedure: None
Unusual Fire and Explosion Hazards: Vapor may travel to source of ignition and flash back. Vapor may settle low or in confined spaces. May produce a floating fire hazard. Static ignition hazard can result from handling and use. 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: May burn with near invisible flame.
Use grounded containers.

Section 6. Accidental Release Measures

Personal Precautions: Avoid all contact with eyes and mucous membranes by wearing goggles, protective clothing, vapor respirator, boots, gloves, and or self-contained breathing apparatus.
Environmental Precautions: Do not dispose in sewer or in any natural environment.
Containment: Absorb with clay, sand, or other non-combustible material. Prevent entry into waterways, sewers, and confined areas.
Clean Up: Once contained wash with plenty of soap and water after complete elimination of the product. Small spills can be flushed with large amounts of water. Large spills- eliminate ignition sources; ground equipment; use vapor suppression such as foam; use non-sparking tools and non-combustible matter to absorb product and transfer to grounded containers.

Section 7. Handling and Storage

Handling Precautions: Avoid contact with eyes and mucous.
Storage Precautions: Store in sealed container, Keep away from humidity in a fresh place. Keep container closed after using.
Other: See Section 8

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Section 8. Exposure Controls/Personal Protection

Engineering Controls:	Exhaust ventilation or other engineering controls to keep vapor concentration below their respective threshold limit value. Ensure eyewash stations and safety showers are proximal to the work station.
Respiratory Protection:	Assure a good ventilation of work place.
Hand Protection:	Plastic or synthetic rubber impermeable gloves.
Eye Protection:	Goggles giving complete protection to eyes. Eyewash bottle with clean water.
Skin and Body Protection:	Clothes for chemical protection to avoid contact.
Ingestion:	Do not eat, drink and smoke while using
Industrial Hygiene:	Provide ventilation of the work place to reduce concentrations of the vapor and product.

OSHA Permissible Exposure Limits (PELs): N/A

ACGIH Threshold Limit Values: N/A

Section 9. Physical and Chemical Properties

Appearance:	White powder
Upper/Lower Flammability:	N/A
Odor:	Odorless
Vapor Pressure:	N/A
Odor Threshold:	N/A
Vapor Density:	N/A
pH:	N/A
Relative Density:	3.9 g/cm ³ at 20°C
Melting Point:	1832°F / 1000°C
Freezing Point:	N/A
Solubility:	Insoluble
Initial Boiling Point and Boiling Range:	N/A
Flash Point:	N/A
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:	N/A

Section 10. Stability and Reactivity

Stability:	Stable under normal circumstances. Avoid heat and ignition sources.
Avoid:	Excessive heat.
Incompatibility:	Strong oxidizing agents; strong inorganic acids.

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Hazardous Byproducts: None in normal conditions
Other: None

Section 11. Toxicological Information

Toxicological and Health Effects: Nontoxic at established levels.
Likely Routes of Exposure: Eyes, nose, mouth, skin.
Signs and Symptoms of Exposure: See Section 2. Hazards Identification.
LD50 (median lethal dose): (oral, rat) >10,000 mg/kg
(dermal, rabbit) >10,000 mg/kg
(inhalation, rat) >6.8 mg/l
Listed NTP Carcinogen: Not classified as a human carcinogen.

Section 12. Ecological Information

TOXICITY: See Section 2
PERSISTENCE / DEGRADABILITY: No information available.
BIOACCUMULATION POTENTIAL: No information available.
RESULTS OF PBT AND vPvB ASSESSMENT: No information available.
MOBILITY IN SOIL: No information available.
OTHER ADVERSE EFFECTS: Not known.

Section 13. Disposal Considerations

Disposal Containers: Vapors may collect in empty containers. Rinse or evaporate thoroughly.
Waste Disposal: Product is biodegradable.
Special Considerations: Dispose of spill containment material in accordance with Federal, State, and local laws.

Section 14. Transport Information

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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