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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:	Lavandin Grosso
Product Code:	833
Description:	Essential Oil of Lavandin
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:	H227 Combustible liquid.
Signal Word:	Warning
Ingestion:	H304 May be fatal if swallowed and enters airways.
Health Risks:	N/A
Eye Contact:	H319 Causes serious eye irritation.
Skin Contact:	H315 Causes skin irritation. H317 May cause an allergic skin reaction.
Environmental:	H412 Harmful to aquatic life with long last effects.

Pictograms:



PRECAUTIONARY STATEMENT:

P102 Keep out of the reach of children.
P264 Wash thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P302 + P352 + P332 IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
P305 + P338 + P351 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if necessary and easy to do – continue rinsing.
P362 Take off contaminated clothing and wash before reuse.
P391 Collect spillage.
P501 Dispose of contents/container to an approved waste disposal.

Section 3. Composition and Information on Ingredients

Chemical Name: *Lavandula hybrida var. grosso*

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Physical State:	Liquid.
CAS #:	8022-15-9
Impurities:	None.
Trade Secret Claim:	None.

Section 4. First Aid Measures

Eyes:	Check for and remove any contact lenses. Flush eyes with plenty of cool water for at least 15 minutes. Do not use an eye ointment. Seek medical attention if irritation occurs.
Skin Contact:	Remove contaminated clothing. In case of skin contact, immediately clean with running water and non-abrasive soap. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.
Inhalation:	Move the victim to as well-ventilated area. If not breathing, give artificial respiration. Seek immediate medical attention. In case of serious inhalation, evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.
Ingestion in excess:	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Loosen tight clothing such as a collar, tie, belt or waistband. Seek immediate medical attention.
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: Fog, CO ₂ , dry chemical or alcohol resistant foam NON SUITABLE: Water.
Special Fire-Fighting Procedure:	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural firefighter's protective clothing will only provide limited protection. Wear self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode when fighting fires.
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

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present on fabrics. Caution should be exercised in the storage and launder of fabrics exposed to oils.

PPE and Precautions for Firefighters: Static charges generated by emptying package in or near flammable vapor may cause flash fire. Use water spray to cool unopened containers.

Section 6. Accidental Release Measures

Personal Precautions: Avoid breathing vapors, mist or gas. Wear suitable protective clothing, gloves, and eye protection. In case of large spill, use compressed air apparatus. Ensure adequate ventilation.

Environmental Precautions: Prevent entry to sewer and public waters. Notify authorities if product enters sewers or public waters.

Containment: Absorb with inert, non-combustible dry material (e.g. sand, earth, powdered limestone). Dispose of according to local and regional authority requirements.

Clean Up: Scoop absorbed substance into closing containers. Carefully collect the spill leftovers and put in an appropriate waste disposal using non-sparking tools. Take collected spill to competent authority. Only specially trained or qualified personnel should handle emergency. Ventilate area after cleaning is complete.

Section 7. Handling and Storage

Handling Precautions: Avoid contact with eyes and mucous. Do not ingest. Do not breathe gas/fumes/vapor. Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. No smoking. Ventilate area. Keep away from incompatibles such as oxidizing agents. Keep respiratory protective device available. Handle in accordance with good industrial hygiene and safety procedures.

Storage Precautions: Keep container tightly closed and sealed until ready for use. Keep contents away from heat, sparks and flames. Keep container in a cool, dry and well-ventilated area. Keep in fireproof place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Other: See Section 8

Section 8. Exposure Controls/Personal Protection

Engineering Controls: Handle in accordance with good industrial hygiene and safety practice. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location. Use explosion-proof ventilation equipment to stay below exposure limits.

Respiratory Protection: Vapor respirator. Be sure to use approved/certified respirator or equivalent.

Hand Protection: Plastic or synthetic rubber impermeable gloves. Wash hands after handling product.

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Eye Protection:	Safety glasses. Eyewash bottle with clean water. Splash goggles in case of a large spill.
Skin and Body Protection:	Clothes for chemical protection to avoid contact. Use of an impervious apron is recommended. Wear appropriate thermal protective clothing, when necessary. In case of large spill, wear full suit, boots, gloves.
Ingestion:	Do not eat, drink and smoke while using
Industrial Hygiene:	When using, do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.
OSHA Permissible Exposure Limits (PELs):	N/A
ACGIH Threshold Limit Values:	N/A

Section 9. Physical and Chemical Properties

Appearance:	Yellowish liquid
Upper/Lower Flammability:	N/A
Odor:	Characteristic, fresh odor
Vapor Pressure:	N/A
Odor Threshold:	N/A
Vapor Density:	N/A
pH:	N/A
Relative Density:	N/A
Melting Point:	N/A
Freezing Point:	N/A
Solubility:	Insoluble
Initial Boiling Point and Boiling Range:	N/A
Flash Point:	162°F / 72°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:	0.894 at 25°C

Section 10. Stability and Reactivity

Stability:	Stable under normal circumstances. Avoid heat and ignition sources.
Avoid:	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatibility:	Strong oxidizing agents.
Hazardous Byproducts:	Upon combustion: Nitrogen oxides (NO _x), carbon monoxide (CO) and carbon dioxide (CO ₂) are formed.

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Other: No hazardous decomposition products if stored and handled as indicated.

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: Skin irritation. May cause redness and pain. May cause an allergic skin reaction, dermatitis or rash.
LD50 (median lethal dose): N/A
Listed NTP Carcinogen: N/A
INGESTION: Can be noxious

Section 12. Ecological Information

TOXICITY: Harmful to aquatic life with long lasting effects.
PERSISTENCE / DEGRADABILITY: No data is available on the degradability of this product.
BIOACCUMULATION POTENTIAL: No information available.
RESULTS OF PBT AND vPvB ASSESSMENT: No information available.
MOBILITY IN SOIL: No information available.
OTHER ADVERSE EFFECTS: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

Section 13. Disposal Considerations

Disposal Containers: Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.
Waste Disposal: Do not discharge into drains, water courses or onto the ground. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
Special Considerations: Waste must be disposed in accordance with applicable federal, state and local environmental control regulations. Contact a licensed professional waste disposal service to dispose of this material if questions arise.

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

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Section 15. Regulatory Information

Product Regulations: N/A

Section 16. Other Information

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Initial of Editor: SDR

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The complete range of conditions or methods of use are beyond our control therefore we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate however, all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local laws and regulations remains the responsibility of the user.

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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