

**For Chemical Emergencies During Transportation:**  
USA and Canada: Call CHEMTREC 24 Hours at 1-800-424-9300  
International: Call CHEMTREC 24 Hours at 1-703-527-3887  
Account Number: CCN709805

## 1. PRODUCT AND COMPANY INFORMATION

Product Name: VANILLIN, NATURAL EX CLOVE  
Product Code: 77379

Company Name: The Lermond Company, LLC  
20 Murray Hill Parkway, Suite 180  
East Rutherford, NJ 07073  
Phone: 201-896-3300

## 2. HAZARD IDENTIFICATION

Hazardous Material Information System Classification

Health: 2  
Flammability: 1  
Reactivity: 0

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS Number: 121-33-5  
FEMA Number: 3107  
EINICS Numbe: 204-465-2  
HTC Number: 2912.41.0000

## 4. FIRST-AID MEASURES

**Inhalation:** Remove from exposure and move to fresh air immediately. If headache, irritation, nausea, drowsiness or any other symptoms occur, consult a physician.

**Eye Contact:** Remove contact lenses. Flush eyes with cool water for at least 15 minutes. Hold eyelids apart while flushing to rinse entire surface of eyes and lids. If irritation or any other symptoms occur, consult a physician.

**Skin Contact:** Remove contaminated clothing and shoes. Wash effected area thoroughly with mild soap and water. If irritation or any other symptoms occur, consult a physician.

**Ingestion:** If conscious and can swallow, give water to dilute and consult a physician or poison control center immediately. Do not induce vomiting.

## 5. FIRE-FIGHTING MEASURES

Flash Point:	153 ° C
Extinguishing Media:	Carbon dioxide, dry chemical, foam – do not use direct water jet on burning material
Fire fighting Procedure:	Wear NIOSH approved self-contained breathing apparatus and full protective clothing when fighting fires involving chemicals. Prevent Contact with skin and eyes.
Special Risks:	Development of hazardous combustion gases or vapors possible in the event of fire. Toxic gases (carbon dioxide, carbon monoxide, and acid fumes) are released on burning. Closed containers will build pressure at elevated temperatures – keep containers cooled with water.

## 6. ACCIDENTAL RELEASE MEASURES

Procedures in Case of Accidental Release, Breakage or Leakage:

- Remove any source of ignition.
- Avoid ingestion.
- Ventilate area well.
- If in confined area, use NIOSH approved respiratory protection and other protective equipment, such as eye protection, chemical resistant gloves and aprons.
- Absorb the spilled material with vermiculite or other absorbent material.
- Avoid inhaling vapor, and avoid contact with skin, eyes and clothing.
- Dispose of material in accordance with local, state, and federal laws and regulations.

## 7. HANDLING AND STORAGE

Handling:	Avoid breathing vapors and ingestion. Avoid contact with skin, eyes and clothing.
Storage:	Store in full sealed containers in cool, dry, ventilated place away from sources of ignition. Keep containers upright and tightly closed when not in use.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation Protection:	Ventilation meeting ACGIH standards should be employed.
Respiratory Protection:	Respiratory protection is normally not required in well ventilated area.
Eye Protection:	Eye protection should be worn at all times.
Skin Protection:	Chemical resistant gloves are recommended.
Others:	Use protective clothing as necessary.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White to slightly yellow solid crystalline powder
Odor:	Creamy, vanilla like odor
Relative Density:	1.056 @ 20 ° C
Solubility in water:	Slightly soluble in water, soluble in organic solvents and oils, freely soluble in ethanol

## 10. STABILITY AND REACTIVITY

Stability: This material is stable under normal conditions. Protect from light and air.  
Conditions to avoid: Avoid sources of ignition. Avoid contact with strong acids, alkali or oxidizing agents.

## 11. TOXICOLOGICAL INFORMATION

Oral LD50: Rat – 3,300 mg/kg  
Dermal LD50: Rabbit – greater than 5,010 mg/kg  
Inhalation LC50: N/A

## 12. ECOLOGICAL INFORMATION

Do not allow to enter water, waste water or soil.

## 13. DISPOSAL CONSIDERATIONS

Dispose of material according to local, state and federal regulations.

## 14. TRANSPORT INFORMATION

Ground Shipping (DOT):  
Proper Shipping Name: Not Regulated

Air shipping (IATA):  
Proper Shipping Name: Not Regulated

Ocean Shipping (IMDG):  
Proper Shipping Name: Not Regulated

## **15. REGULATORY INFORMATION**

This substance contains no materials subject to the reporting requirements of Superfund Amendments and Reauthorization Act of 1986 Title III Section 313.

## **16. OTHER INFORMATION**

**Disclaimer:** This information is provided for documentation purposes only.

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 local regulations remains the responsibility of the user.

This safety sheet cannot cover all possible situations that 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.