

## MATERIAL SAFETY DATA SHEET

# CLOVE BUD CO2

# MSDS

### 1. PRODUCT NAME AND COMPANY IDENTIFICATION

**Product Name:** CLOVE BUD CO2  
**Product Use:** Personal Care Formulations  
**Company Name:** Natural Sourcing  
**Company Address:** 341 Christian Street, Oxford, CT 06478, USA  
**Date Issued:** 5/20/2008  
**Emergency Telephone Number:** Chemtrec Tel: (800) 262-8200

### 2. COMPOSITION/INGREDIENT INFORMATION

**Ingredients:**  
Clove Bud Extract (Syzygium aromaticum) 100%  
No solvent residues  
**Hazardous Components:**  
**CAS #:**  
**EINECS #:**

### 3. HAZARDS IDENTIFICATION

**Environmental Hazards:** None known  
**Human Health Hazards:** Eye: Irritation may occur  
Skin: Irritation may occur  
Ingestion: Irritation may occur  
Inhalation: Irritation may occur

### 4. FIRST AID MEASURES

**Eyes:** Flush with plenty of water or eye wash solution for 15 minutes. Get medical attention if irritation persists.  
**Skin:** Wash with soap and water- get medical attention if irritation persists.  
**Ingestion:** Rinse mouth immediately and drink large quantities of water. Seek medical attention if large quantity is consumed.  
**Inhalation:** Remove to fresh air. Seek medical attention if needed.  
**Medical Conditions Generally Aggravated by Exposure:** None known

### 5. FIRE FIGHTING MEASURES

**Extinguishing Media:** Dry Chemical, Carbon Dioxide, Foam  
**Special Firefighting Procedures:** Cool containers exposed to flame with water. In case of fire, wear self-contained breathing apparatus.

**Unusual Fire & Explosion Hazards:** Formation of dangerous fumes possible.

#### 6. ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

**Personal Protection:** Avoid contact with skin and eyes, concentrated extracts should not be swallowed.

**Environmental Protection:** Keep away from canalization, waterway, and groundwater.

**Methods for Cleaning Up:** Remove mechanically, placing in appropriate containers for disposal.

#### 7. HANDLING AND STORAGE

##### Handling

**Safe Handling:** Avoid contact with skin and eyes, concentrated extracts should not be swallowed. Wear splash goggles and oil resistant gloves. Use with caution around heat, sparks, static electricity and open flames.

##### Storage

**Requirements for Storage Areas and Containers:** Store in a cool, dry location, in a sealed container, away from sunlight.

#### 8. EXPOSURE CONTROL/PERSONAL PROTECTION

**Eye:** Wear splash goggles.

**Skin/Body:** Wear oil resistant gloves. Remove contaminated clothing.

**Respiratory:** Do not breathe vapor/aerosol.

**Ventilation:** Area should be well ventilated.

**Other:** Evaluate need based on application.

**Work/Hygiene Practice:** Normal work and hygiene practices

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid

**Color:** Yellow

**Odor:** Characteristic, clove

**Specific Gravity:** 1.04 gm/ml

**Refractive Index:** 1.478

**Viscosity:** Not Available

**pH:** Not Available

**Solubility in Water:** Insoluble

**Water Reactive:** No

#### 10. STABILITY AND REACTIVITY

**Stability:** Stable

**Conditions to Avoid:** Heat, open flame and sunlight

**Hazardous Decomposition or Byproducts:** None known

**Hazardous Polymerization:** Will Not Occur

**11. TOXICOLOGICAL INFORMATION**

Acute Toxicity	No information
Carcinogenicity:	None
Reproductive Toxicity:	None
Mutagenicity:	None

**12. ECOLOGICAL INFORMATION**

Ecotoxicity:	Expected to be ultimately biodegradable
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**13. DISPOSAL CONSIDERATIONS**

Waste Disposal Methods:	Do not put into sewer lines. Dispose of according to local, state and federal regulations.
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**14. TRANSPORT INFORMATION**

DOT Classification:	Not a DOT controlled material (USA).
Class/Division:	Not restricted
Proper Shipping Name:	NA
Label:	None
Packing Group:	NA
ID Number:	NA
Hazard:	NA

**15. REGULATORY INFORMATION**

Not Available

**16. ADDITIONAL INFORMATION**

This information is provided for documentation purposes only.  
This product is not considered hazardous.

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 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.