

# Material Safety Data Sheet

## SECTION 1

MAJESTIC MOUNTAIN SAGE  
2490 S 1350 W  
Nibley UT 84321

Telephone:  
(435) 755-0863

Quick Identifier - Common Name Used on Label and List

*Lilikoi Fragrance Oil*  
303-389X

Date of Last Review:  
08-28-2008

## SECTION 2 - COMPOSITION/IDENTITY

Hazardous Components  
Chemical & Common Names

CAS No.

*Benzyl benzoate*

120-51-4

*GALAXOLIDE*

1222 05-5

*HEXYL CINNAMIC ALDEHYDE ALPHA*

101-86-0

*LEMON TERPENES DISTILLED*

68917-33-9

*Citronellol*

106-22-9

## SECTION 3 - HAZARDS IDENTIFICATION

### · Hazard description:

Harmful  
Irritant  
Dangerous for the environment

### · Information pertaining to particular dangers for man and environment:

The product has to be labeled due to the calculation procedure of international guidelines.  
Harmful if swallowed.  
May cause sensitization by skin contact.  
Possible risk of impaired fertility.  
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### · Classification system:

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

### · NFPA ratings (scale 0 - 4)

Health = 2  
Fire = 1  
Reactivity = 0

### · HMIS-ratings (scale 0 - 4)

Health = 2  
Fire = 1  
Reactivity = 0

## SECTION 4 - First-Aid Measures

· **General information:**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· **After inhalation:**

Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably on side position for transportation.

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

· **After eye contact:** Rinse opened eye for several minutes under running water.

· **After swallowing:** Immediately call a doctor.

· **Most important symptoms and effects, both acute and delayed:** No further relevant information available

· **Indication of any immediate medical attention and special treatment needed:** No further relevant information available

## SECTION 5 - FIRE FIGHTING MEASURES

· **Suitable extinguishing agents:** CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **Protective equipment:** No special measures required.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

· **Person-related safety precautions:** Not required.

· **Measures for environmental protection:** Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.

· **Measures for cleaning/collecting:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.

## SECTION 7 - HANDLING AND STORAGE

· **Handling:**

· **Information for safe handling:**

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

· **Information about protection against explosions and fires:** No special measures required.

· **Storage:**

· **Requirements to be met by storerooms and receptacles:** No special requirements.

· **Information about storage in one common storage facility:** Not required.

· **Further information about storage conditions:** None.

## SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

· **Additional information about design of technical systems:** No further data; see item 7.

· **Components with limit values that require monitoring at the workplace:** The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Personal protective equipment:**

· **General protective and hygienic measures:** Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work.

· **Breathing equipment:**

In case of intensive or long exposure in low ventilation areas, it is suggested that a respiratory protective device be used.

· **Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:** Goggles recommended during refilling.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

· **General Information**

Form: liquid

**Color:** According to product specification

**Odor:** Characteristic

· **Change in condition**

**Melting point/Melting range:** Undetermined.

**Boiling point/Boiling range:** 323°C (613°F)

· **Flash point:** >93°C (>199°F)

· **Ignition temperature:** 480°C (896°F)

· **Auto igniting:** Product is not self-igniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Vapor pressure at 20°C (68°F):** 0.047 hPa

· **Specific gravity:** 1.0643

· **Refractive Index @ 20C** 1.5446

· **Solubility in / Miscibility with Water:** Not miscible or difficult to mix.

· **Solvent content:**

**Organic solvents:** 0.2 %

· **Solids content:** 53.4 %

## SECTION 10 - STABILITY AND REACTIVITY

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

· **Dangerous reactions** No dangerous reactions known.

· **Dangerous products of decomposition:** No dangerous decomposition products known.

## SECTION 11 - TOXICOLOGICAL INFORMATION

- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**

	<b>120-51-4</b>	<b>Benzyl benzoate</b>
Oral LD50		1700 mg/kg (rat)
Dermal LD50		4000 mg/kg (rabbit)
- **Primary irritant effect:**
  - on the skin:** No irritant effect.
  - on the eye:** No irritating effect.
  - Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

  - Harmful
  - Irritant

## SECTION 12 - ECOLOGICAL INFORMATION

- **Eco-toxicological effects:**
- **Remark:** Harmful to fish
- **General notes:**
  - Water hazard class 2 (Self-assessment): hazardous for water
  - Do not allow product to reach ground water, water course or sewage system.
  - Danger to drinking water if even small quantities leak into the ground.
  - Harmful to aquatic organisms

## SECTION 13 - DISPOSAL CONSIDERATIONS

- **Product:**
  - Recommendation:** Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
  - Recommendation:** Disposal must be made according to official regulations.

## SECTION 14 - TRANSPORT INFORMATION

- **DOT regulations:**
- **Hazard class:** -
- **Land transport ADR/RID (cross-border):** 9 Miscellaneous dangerous substances and articles
- **ADR/RID class:** - 90
- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Marine pollutant:** No
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -

## SECTION 15 - REGULATIONS

- **Sara**
  - Section 355 (extremely hazardous substances):**  
None of the ingredient is listed.
  - Section 313 (Specific toxic chemical listings):**  
None of the ingredients is listed.
  - TSCA (Toxic Substances Control Act):**  
All ingredients are listed.
- **Proposition 65**
  - Chemicals known to cause cancer:**  
None of the ingredients is listed.
  - Chemicals known to cause reproductive toxicity for females:**  
None of the ingredients are listed.
  - Chemicals known to cause reproductive toxicity for males:**  
None of the ingredients are listed.
  - Chemicals known to cause developmental toxicity:**  
None of the ingredients are listed.
- **Carcinogenity categories**
  - EPA (Environmental Protection Agency)**  
None of the ingredients are listed.
  - IARC (International Agency for Research on Cancer)**  
None of the ingredients are listed.
  - NTP (National Toxicology Program)**  
None of the ingredients are listed.
  - TLV (Threshold Limit Value established by ACGIH)**  
None of the ingredients are listed.
  - NIOSH-Ca (National Institute for Occupational Safety and Health)**  
None of the ingredients are listed.
  - OSHA-Ca (Occupational Safety & Health Administration)**  
None of the ingredients are listed.
- **Product related hazard information:**  
The product has been classified and marked in accordance with directives on hazardous materials.
- **Hazard symbols:**  
Harmful
- **Hazard-determining components of label ingredients:**  
HEXYL CINNAMIC ALDEHYDE ALPHA  
LEMON TERPENES DISTILLED  
Benzyl benzoate
- **Risk phrases:**  
Harmful if swallowed.  
May cause sensitization by skin contact.  
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **Safety phrases:**  
Keep out of the reach of children.  
Keep away from food, drink and animal feeding stuffs.

## SECTION 16 - OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing MSDS:** Technical Services Department
- **Contact:** Technical Services Department