



## MATERIAL SAFETY DATA SHEET (MSDS)

Basil Essential oil

### Section 1 Chemical Product and Company Identification

MSDS Name: Basil Essential oil  
Synonyms: Basil oil  
CAS#: 8015-73-4  
Company Identification: FOSHAN NANHAI ZHONGNAN PHARMACEUTICAL FACTORY  
Address: Xihengtian Industrial Zone, Shachong Village, Lishui Town, Foshan Guangdong  
Postcode: 528244  
E-mail: znpharma@znpharma.com  
Fax number: 86-0757-85602277  
Emergency Number : 86-0757-85609331

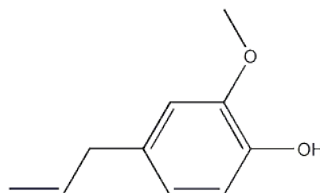
### Section 2 Composition, Information on Ingredients

**Chemical Name:** Eugenol

**Molecular Formula:** C<sub>10</sub>H<sub>12</sub>O<sub>2</sub>

**Molecular Weight:** 164.20

**Chemical structural formula:**



Chemical Name:	%	CAS#
Eugenol	> 65.0	97-53-0

### Section 3 Hazards Identification

#### Potential Health Effects

**Skin:** May cause skin irritation. May be harmful if absorbed through the skin.

**Eye:** May cause eye irritation.

**Inhalation:** May cause respiratory tract irritation. May be harmful if inhaled.

**Ingestion:** May cause irritation of the digestive tract. May be harmful if swallowed.

**Chronic:** Prolonged or repeated exposure may cause nausea, dizziness, and headache.

**Dangerous type hieroglyphic figure:**



### Section 4 First Aid Measures

**Skin:** Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

**Eyes:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.



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**Inhalation:** Remove from exposure and move to fresh air immediately. Get medical aid.

**Ingestion:** Get medical aid. Wash mouth out with water.

**Notes to Physician:** Treat symptomatically and supportively.

### Section 5 Fire Fighting Measures

**Extinguishing Media:** Water or foam may cause frothing. Use water spray to cool fireexposed containers. Use water spray, dry chemical, carbon dioxide, or chemical foam.

**General Information:** As in any fire, wear a selfcontained breathing apparatus in pressuredemand, MSHA /NIOSH (approved or equivalent), and full protective gear.

### Section 6 Accidental Release Measures

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:** Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid runoff into storm sewers and ditches which lead to waterways.

### Section 7 Handling and Storage

**Handling:** Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.

**Storage:** Store in a cool, dry place. Store in a tightly closed container.

### Section 8 Exposure Controls, Personal Protection

**Engineering Controls:** Use adequate ventilation to keep airborne concentrations low.

#### Exposure Limits

Not available

#### Personal Protective Equipment

**Eyes:** Wear chemical splash goggles.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

### Section 9 Physical and Chemical Properties

**Physical State:** Liquid

**pH:** N/A

**Freezing/Melting Point:** N/A

**Boiling Point:** 215°C

**Flash Point:** 65° C Tag Closed Cup

**Explosion Limits: Upper:** N/A

**Solubility in water:** Insoluble

**Decomposition Temperature:** N/A

**Color:** Pale yellow to dark yellow

**Odor:** Characteristic of basil, spicy

**Specific Gravity/Density:** 0.8946 - 0.9246 g/cm<sup>3</sup>@20C

**Autoignition Temperature:** N/A

**Explosion Limits: Lower:** N/A

**Vapor Pressure:** N/A

**Viscosity:** N/A

**Refractive Index :** 1.4622 - 1.4922@20C



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### Section 10 Stability and Reactivity

**Chemical Stability:** Stable.

**Conditions to Avoid:** Incompatible materials.

**Incompatibilities with Other Materials** Incompatible materials, acids, bases, nitrates.

**Hazardous Decomposition Products** Carbon monoxide, carbon dioxide.

**Hazardous Polymerization** Will not occur.

### Section 11 Toxicological Information

**LD50/LC50:** Oral LD<sub>50</sub>: None established  
Dermal LD<sub>50</sub>: None established  
Inhalation LC<sub>50</sub>: None established

**Other:** See actual entry in RTECS for complete information. The toxicological properties have not been fully investigated.

### Section 12 Ecological Information

**Ecotoxicity:** Not determined

### Section 13 Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

### Section 14 Transport Information

	<b>IATA</b>	<b>IMO</b>	<b>RID/ADR</b>
<b>Shipping Name:</b>	Not regulated as a hazardous material	Not regulated as a hazardous material	Not regulated as a hazardous material
<b>Hazard Class:</b>			
<b>UN Number:</b>			
<b>Packing Group:</b>			

### Section 15 Regulatory Information

Not restricted

### Section 16 Other Information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.

**MSDS Creation Date:**

**Revision #2 Date :**



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