

### Section 1 : Substance Identification

**Name:** Gossypol **CAS Number:** 303-45-7

**Catalog Number:** EI-130 **Chemical Formula:** C<sub>30</sub>H<sub>30</sub>O<sub>8</sub>

**Chemical Name:** 2,2'-Bis(1,6,7-trihydroxy-3-methyl-5-isopropyl-8-aldehydonaphthalene)

**Chemical Class:** Naphalene Derivative

**Company Identification:** BIOMOL Research Labs.,Inc.  
5100 Campus Dr.  
Plymouth Meeting PA 19462-1123 USA  
(610) 941-0430 (9am-5pm ET)

### Section 2 : Health Hazard Data

**Acute Health Effects:** Harmful if swallowed. Maybe harmful if inhaled or absorbed through the skin. Exposure may cause irritation, especially to the gastrointestinal tract. In laboratory animals, large doses caused edema of lungs, shortness of breath, and paralysis. Target organs : Male reproductive system.

**Chronic Health Effects:** Possible mutagen. Other chronic effects unknown. To the best of our knowledge, the toxicological properties of this compound have not been fully investigated.

### Section 3 : First Aid Measures

**Eye Contact:** Check for and remove contact lenses. Flush eyes with running water for at least 15 minutes separating eyelids. **Seek medical attention immediately**

**Skin Contact:** Wash with soap and water for 15 minutes. Remove contaminated clothing and shoes. **Seek medical attention immediately.**

**Inhalation:** Remove from exposure. If breathing is difficult, administer oxygen. If breathing stops, administer artificial respiration. **Seek medical attention immediately.** Provide chemical label and MSDS if possible.

**Ingestion:** Remove dentures and clear mouth. If person is conscious, rinse mouth with water. **Call physician or poison control immediately.** Provide chemical label and MSDS information if possible.

#### Section 4 : Fire and Explosion Data

**Flammability:** Not Available

**Flash Point:** Not Available

**Combustion Products:** Carbon dioxide, Carbon monoxide

**Extinguishing Media:** Water spray

**Special Firefighting Procedures:** Use self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

**Unusual Fire/Explosion Hazards:** None known

#### Section 5 : Spill or Leak Procedures

**Cleanup Procedures:** **EVACUATE AREA** Wearing appropriate protective gear as outlined under "Protective equipment" wipe up spill and place in sealed container and hold for disposal. Avoid raising dust. Ventilate the area and wash spill site after material has been removed.

**Waste Disposal Method:** Observe all Federal, State and Local regulations concerning the disposal of this product.

#### Section 6 : Storage and Handling Precautions

**Protective Equipment:** For spill clean up, wear suitable protective clothing, chemical resistant rubber gloves, rubber boots, and chemical safety goggles. Self contained breathing apparatus or NIOSH/MSHA approved respirator is recommended. This product should only be handled in a chemical fume hood with adequate ventilation.

**Storage and Handling:** This product should be stored at 0°C. It should be kept in a tightly closed container. This product should be handled only by qualified experienced professionals. Wash thoroughly after handling this material

#### Section 7 : Physical Data

**Appearance:** Crystalline solid

**Molecular Weight:** 518.6

**Boiling Point:** Not Available

**Solubility:** Methanol, Ethanol, Chloroform

**Specific Gravity:** Not Available

**Volatility:** Not Available

**Odor:** Not Available

**Taste:** Not Available

**Melting Point:** 268-270°C

**Vapor Density:** Not Available

**Vapor Pressure:** Not Available

## Section 8 : Stability and Reactivity Data

**Stability:** This material is stable if stored as directed

**Conditions to Avoid:** Heat

**Incompatibles:** Not available

## Section 9 : Toxicity Data

**RTECS#:** DU3100000

**Oral LD50:** Rat : 2315mg/kg

Pig : 550mg/kg

## Section 10 : Ecological Data

**Ecotoxicological Information:** None Available

*The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.*

Emergency Contact:

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(610) 941-0430

Last Revised : 12/15/98