
SECTION I – PRODUCT INFORMATION**PRODUCT NAME:** EUGENOL USP**ITEM NO.:** EUG...**MANUFACTURER:** 3D Dental Design & Development

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Shake Heights, OH 44120

FOR INFORMATION CALL: (877) 605-8061 **EMERGENCY:** 800-424-9300**MOLECULAR FORMULA:** C10 H12 O2**MOLECULAR WEIGHT:** 164.20**DATE PREPARED:** JUNE 15, 2016

SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**HAZARDOUS COMPONENTS:**

Eugenol: CAS Reg No. 97-53-0, 100%, LD50 2,680 mg/kg Oral Rat., FEMA #: 2467

SECTION III – PHYSICAL DATA**PHYSICAL STATE:** Liquid**BOILING POINT:** 252 Degrees Celsius**SPECIFIC GRAVITY @ 25 C (Water=1.0):** 1.067**VAPOR PRESSURE (mm Hg@20 C):** 0.1**MELTING POINT:** -11 degrees Celsius**VAPOR DENSITY (AIR=1):** >1.0**% VOLATILE:** N/A**SOLUBILITY IN WATER:** Slight**APPEARANCE AND ODOR:** Clove-like, pungent, colorless to pale yellow**REFRACTIVE INDEX @ 20F:** 1.540

SECTION IV – FIRE AND EXPLOSION HAZARD DATA**FLASH POINT:** 200 Degrees F**FLAMMABLE LIMITS:** Non-flammable **LFL:** N/A **UFL:** N/A**EXTINGUISHING MEDIA:** Carbon Dioxide; Dry Chemical; Universal Type Foam**SPECIAL FIRE FIGHTING PROCEDURES:** Evacuate unprotected and untrained personnel. Trained firefighting personnel should be equipped with self-contained breathing apparatus and full protective gear.**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None Known.

SECTION V – REACTIVITY DATA**STABILITY:** STABLE**CONDITIONS TO AVOID:** None under anticipated normal use.**INCOMPATIBILITY (MATERIALS TO AVOID):** Contact with highly reactive chemical oxidants should be avoided.**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:** If burned this product will produce carbon monoxide and/or carbon dioxide.

HAZARDOUS POLYMERIZATION: Will not occur and it will not react violently with water.

SECTION VI – HEALTH HAZARD DATA

ROUTES OF ENTRY:

- **INHALATION:** Not established
- **SKIN:** May cause irritation
- **INGESTION:** Not established
- **EYE CONTACT:** May cause irritation

HEALTH HAZARD (ACUTE AND CHRONIC): Mild skin irritation over prolonged exposure to skin, irritating to eyes.

CARCINOGENICITY: NTP: No IARC MONOGRAPHS: No OSHA REGULATED: No
OSHA PEL: Not Established ACGIH TLV: Not Established

SIGNS AND SYMPTOMS OF EXPOSURE: Mild Irritation.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known.

EMERGENCY AND FIRST AID PROCEDURES:

- **EYES:** Flush with water for at least 15 minutes. Seek medical attention.
 - **SKIN:** Wash with soap and water. Flush with large quantities of water. If irritation persists call a physician.
 - **INGESTION:** Administer water or milk to dilute. DO NOT induce vomiting. Contact a physician.
 - **INHALATION:** Remove to fresh air and call a physician if necessary.
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SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wash with plenty of water, mop.

WASTE DISPOSAL METHOD: Follow applicable Federal, State and Local regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep container tightly closed. Wash hands with soap and water after handling. Remove any sources of flame or sparks. If in a confined area NIOSH approved respiratory protection may be required. Absorb spills on vermiculite or other suitable absorbent material and remove to an approved disposal container.

OTHER PRECAUTIONS: It is recommended that this material be stored in tight full containers in a cool, dry place away from light.

SECTION VIII – CONTROL MEASURES

RESPIRATORY PROTECTION: In well ventilated areas respiratory protection is not normally required. In confined, poorly ventilated areas the use of NIOSH approved respiratory protection may be required or if material is rated toxic by inhalation.

VENTILATION: Ventilation meeting ACGIH standards should be employed.

PROTECTIVE GLOVES: The use of chemical resistant gloves is recommended.

EYE PROTECTION: In general, the use of safety glasses is recommended. If the material is to be handled in a manner where splashing may occur, the use of splash goggles or face shield is recommended.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None Required

WORK/HYGIENE PRACTICES: Acceptable industrial hygiene practices should be maintained. Limit exposure to product whenever possible. Wash after any contact. Thoroughly wash any contaminated clothing or shoes.

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