

SAFETY DATA SHEET

SECTION 1. Product and Company Identification

PRODUCT NAME: MARK3 Zinc Oxide Eugenol Reinforced Intermediate Restorative Liquid

COMMON OR CHEMICAL NAME: Eugenol USP

MANUFACTURED BY:
Cargus International, Inc.
135 North Route 9W
Congers, NY 10920 USA

EMERGENCY TELEPHONE:
845-267-2600

GENERAL INFORMATION:
845-267-2600

SECTION 2. Composition/Information on Ingredients

Product Contents: Eugenol USP Grade (1 oz or 4 oz)

Hazardous Ingredients: None listed.

SECTION 3. Hazards Identification

For potential health hazards: SEE Section 11 below

No other hazards to man or the environment are reasonably foreseen.

SECTION 4. First Aid Measures

Inhalation: Remove person to well-ventilated area and follow normal first aid procedures.

Skin Contact: Wash with soap and cold water.

Eye Contact: Wash eyes by normal first aid methods.

Ingestion: See a physician.

SECTION 5. Fire-Fighting Measures

Suitable Extinguishing Media: CO₂, foam, dry chemical.

Extinguishing Media which should not be used: None.

Special exposure hazards from combustion products: Forms carbon monoxide and/or dioxide upon burning.

Special protective equipment for fire fighters: None specific.

SECTION 6. Accidental Release Measures

Personal Precautions: Avoid contact with skin/eyes; avoid casual breathing.

Environmental Precautions: Dispose of in accordance with all federal, state, and local regulations.

Methods for Cleaning Up: Small spills: wipe up with paper rags and place in closed metal waste container.
Large spills: use non-flammable absorbent.

SECTION 7. Handling and Storage

Handling Precautions: Do not expose to temperatures above 35°C.

Safe Storage Conditions: Store in tightly sealed containers in a cool, dry area.

Other Restrictions or Recommendations: None.

SECTION 8. Exposure Controls/Personal Protection

Respiratory Protection & Ventilation: Avoid casual breathing. Local exhaust recommended.

Protective Clothing or Equipment: Use OSHA approved safety glasses and protective gloves.

Unusual Work/Hygienic Practices: Follow good industrial practice.

SECTION 9. Physical and Chemical Properties

Appearance: Colorless to pale yellow liquid.

Odor: Pungent, spicy odor.

pH: Not applicable.

Boiling Point/Range: 254°C

Melting Point/Range: -9°C

Flash Point: 252°F (closed cup method)

Auto-Ignition Temperature: Not applicable.

Flammability: Yes.

Explosive Limits in Air: Not applicable.

Oxidizing Properties: Not applicable.

Vapor Pressure (mm Hg): 0.009 mmHg at 20°C

Vapor Density (Air=1): Not applicable.

Specific Gravity (H₂O =1): 1.0640

Solubility in Water: Insoluble.

Reactivity in Water: Not reactive.

Other Data: None.

SECTION 10. Stability and Reactivity

Stability: Normally stable.

Conditions of Instability: Excessive heat.

Incompatibility with Various Substances: Strong oxidizing agents.

Hazardous Decomposition Products: Forms carbon monoxide and/or dioxide upon burning.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Excessive heat.

SECTION 11. Toxicological Information

Potential Acute Health Effects: Irritation of skin/eyes.

Potential Chronic Health Effects: Skin/eye irritation, dermatitis upon repeated skin contact, swallowing may cause severe tissue damage.

Signs and Symptoms of Exposure: Skin/eye irritation or sensitization.

Medical Conditions Generally Aggravated by Exposure: None known.

Carcinogenic or Potential Carcinogenic Effects: No ingredient listed is a known carcinogen.

Other Potential Health Effects: None known.

SECTION 12. Ecological Information

No ecological damage or impact anticipated when handled as indicated.

SECTION 13. Disposal Considerations

Waste Disposal: Dispose of in accordance with all federal, state, and local regulations.

SECTION 14. Transport Information

UN Classification: Not applicable.

Identification: Not applicable.

Special Provisions for Transport: Do not expose to temperatures above 35°C.

SECTION 15. Regulatory Information

U.S. FDA Dental Device: Class II product

EC Medical Device Directive: Class IIa product

SECTION 16. Other Information

Some of the information presented and conclusions drawn herein are from sources other than direct test data on the product itself. The information in this SDS was obtained from sources that we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or method of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. If the product is used as a component in another product or used in a way other than recommended by the Company, this SDS information may not be applicable.

SDS Approved by: **Gavin Gabai**

SAFETY DATA SHEET

SECTION 1. Product and Company Identification

PRODUCT NAME: MARK3 Zinc Oxide Eugenol Reinforced Intermediate Restorative Powder

COMMON OR CHEMICAL NAME: Zinc Oxide

MANUFACTURED BY:
Cargus International, Inc
135 North Route 9W
Congers, NY 10920 USA

EMERGENCY TELEPHONE:
845-267-2600

GENERAL INFORMATION:
845-267-2600

SECTION 2. Composition/Information on Ingredients

Product Contents: Zinc Oxide

Hazardous Ingredients: None listed.

SECTION 3. Hazards Identification

For potential health hazards: SEE Section 11 below

No other hazards to man or the environment are reasonably foreseen.

SECTION 4. First Aid Measures

Inhalation: Symptomatic treatment, such as bed rest and possibly aspirin, recommended to provide relief from fever and chills.

Skin Contact: Flush areas with large amounts of water.

Eye Contact: Flush eyes with copious amounts of water.

Ingestion: Consult physician.

SECTION 5. Fire-Fighting Measures

Suitable Extinguishing Media: Not applicable.

Extinguishing Media which should not be used: Not applicable.

Special exposure hazards from combustion products: None.

Special protective equipment for fire fighters: Not applicable.

SECTION 6. Accidental Release Measures

Personal Precautions: Avoid excessive dusting and contact with skin or eyes.

Environmental Precautions: Dispose of in accordance with all federal, state, and local regulations.

Methods for Cleaning Up: Avoid excessive dusting. Wipe up spill.

SECTION 7. Handling and Storage

Handling Precautions: None.

Safe Storage Conditions: None.

Other Restrictions or Recommendations: Practice good personal hygiene.

SECTION 8. Exposure Controls/Personal Protection

Respiratory Protection & Ventilation: Use NIOSH/MSHA approved type respirator. Local exhaust or ventilation that will reduce dust concentrations.

Protective Clothing or Equipment: Protective gloves and eyewear recommended. Barrier creams may help prevent skin irritation in hypersensitive individuals.

Unusual Work/Hygienic Practices: None.

SECTION 9. Physical and Chemical Properties

Appearance: White powder.

Odor: No odor.

pH: Not applicable.

Boiling Point/Range: Not applicable.

Melting Point/Range: 3587°F

Flash Point: Not applicable.

Auto-Ignition Temperature: Not applicable.

Flammability: No.

Explosive Limits in Air: None.

Oxidizing Properties: Not applicable.

Vapor Pressure (mm Hg): Not applicable.

Vapor Density (Air=1): Not applicable.

Specific Gravity (H₂O =1): 5.61

Solubility in Water: Negligible.

Reactivity in Water: Not reactive.

Other Data: None.

SECTION 10. Stability and Reactivity

Stability: Stable.

Conditions of Instability: None.

Incompatibility with Various Substances: None known.

Hazardous Decomposition Products: None.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: None.

SECTION 11. Toxicological Information

Potential Acute Health Effects: Possibility of tightness of chest, metallic taste, cough, dizziness, fever, chills, headache, nausea, and dry throat. May cause irritation to skin and/or eyes.

Potential Chronic Health Effects: May cause "metal fume fever" or "zinc shakes," with symptoms such as: chills, fever, muscular pain, nausea, and vomiting. May cause respiratory tract irritation with nasopharyngitis and laryngitis.

Signs and Symptoms of Exposure: Symptoms listed above, skin/respiratory/eye irritation.

Medical Conditions Generally Aggravated by Exposure: May be an irritant to pre-existing respiratory conditions.

Carcinogenic or Potential Carcinogenic Effects: No ingredient listed is a known carcinogen.

Other Potential Health Effects: None known.

SECTION 12. Ecological Information

No ecological damage or impact anticipated when handled as indicated.

SECTION 13. Disposal Considerations

Waste Disposal: Dispose in a closed container or heavy bag. May be recycled or disposed of in accordance with all federal, state, and local regulations.

SECTION 14. Transport Information

UN Classification: Not applicable.

Identification: Not applicable.

Special Provisions for Transport: None.

SECTION 15. Regulatory Information

U.S. FDA Dental Device: Class II product

EC Medical Device Directive: Class IIa product

SECTION 16. Other Information

Some of the information presented and conclusions drawn herein are from sources other than direct test data on the product itself. The information in this SDS was obtained from sources that we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or method of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. If the product is used as a component in another product or used in a way other than recommended by the Company, this SDS information may not be applicable.

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