

MATERIAL SAFETY DATA SHEET

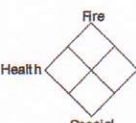
HARRY J. BOSWORTH COMPANY

7227 North Hamlin Avenue

Skokie, Illinois 60076-3999

Information Phone: 847.679.3400

Emergency Phone: 800.535.5053

HAZARD RATING		
N	4 - EXTREME	
F	3 - HIGH	
P	2 - MODERATE	
A	1 - SLIGHT	
0 - INSIGNIFICANT		

PRODUCT: SuperEBA Powder
DATE PREPARED: 08/04/04

Hazardous Components	
INGREDIENTS: 1. Zinc Oxide 2. Alumina 3. Natural Resin	PERCENTAGE: 1. N/A 2. N/A 3. N/A
COMMON NAMES AND SYNONYMS: 1. Zinc Oxide 2. Aluminum Oxide 3. Stabelite	CAS NUMBER: 1. 1314-13-2 2. 1344-28-1 3. 65997-06-0
PEL: 1. 10 mg/m ³ 2. 10 mg/m ³ 3. 10 mg/m ³	UN NUMBER: 1. N/A 2. N/A 3. N/A
TLV: 1. 10 mg/m ³ 2. 10 mg/m ³ 3. 10 mg/m ³	

Physical/Chemical Characteristics	
BOILING POINT: N/A	MELTING POINT: N/A
SPECIFIC GRAVITY: (H ₂ O=1) 5.660 @ 20°C	VAPOR DENSITY: (Air = 1) N/A
VAPOR PRESSURE: N/A	EVAPORATION RATE: (Butyl Acetate = 1) N/A
APPEARANCE/ODOR: Off white powder with no odor	SOLUBILITY IN WATER: None

Reactivity Data
STABILITY: Stable
CONDITIONS TO AVOID: Heat and moisture
HAZARDOUS DECOMPOSITION PRODUCTS: None
HAZARDOUS POLYMERIZATION: Will not occur.
CONDITIONS TO AVOID: Excessive heat and humidity

Fire and Explosion Hazard Data	
FLASH POINT: N/A	LIMITS: LEL: N/A UEL: N/A
EXTINGUISHING MEDIA: N/A	
SPECIAL FIREFIGHTING PROCEDURES: N/A	
UNUSUAL FIRE AND EXPLOSION HAZARDS: N/A	

Health Hazard Data	
CARCINOGENICITY: N/D	NTP: N/A
IARC: N/A	OSHA REGULATED: N/A
Effects and Hazards of Overexposure (Acute and Chronic)	
EFFECTS AND HAZARDS OF EYE CONTACT: May cause irritation.	
EFFECTS AND HAZARDS OF SKIN CONTACT: N/A.	
EFFECTS AND HAZARDS OF INHALATION (BREATHING): None to slight discomfort	
EFFECTS AND HAZARDS OF INGESTION (SWALLOWING): May cause discomfort.	

Emergency and First Aid Procedures
TREATMENT FOR EYE CONTACT: Wash eyes with plenty of water for 15 minutes.
TREATMENT FOR SKIN CONTACT: Wash skin with soap and water.
TREATMENT FOR INHALATION (BREATHING): None
TREATMENT FOR INGESTION (SWALLOWING): None
Precautions for Safe Handling and Use
STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Sweep up
WASTE DISPOSAL METHOD: Dispose of in accordance with local, state, and federal regulations.
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Handle with care, close container very tightly, keep away from heat and moisture.
OTHER PRECAUTIONS: This product is for professional use only as stated in directions. It is the responsibility of the dentist to train personnel.

Control Measures
RESPIRATORY PROTECTION: use NIOSH approved mask if necessary
Ventilation
LOCAL EXHAUST VENTILATION If necessary
SPECIAL VENTILATION: N/A
MECHANICAL (GENERAL) VENTILATION: N/A
OTHER VENTILATION: N/A
PROTECTION GLOVES: Use if necessary.
EYE PROTECTION: Use if necessary
OTHER PROTECTIVE EQUIPMENT: N/A
WORK AND HYGIENIC PRACTICES: Wash hands before eating and smoking

Additional Information	
This MSDS was prepared in accordance with the requirements of the OSHA Hazard Communication Standard (29CFR 1910.1200) and is to be used only for this product. The information contained in this sheet is, to the best of our knowledge, believed to be accurate	
Health Hazard Index:	Ratings:
SEVERE HAZARD	1
SERIOUS HAZARD	2
MODERATE HAZARD	3
SLIGHT HAZARD	4
MINIMUM HAZARD	⑤
Shipping Information	
REGULATED IATA: N/A	
PROPER SHIPPING NAME: N/A	
HAZARD CLASS: N/A	
IDENTIFICATION NUMBER: N/A	
PACKAGING GROUP: N/A	
LABEL: N/A	

To the best of our knowledge, the information contained herein is accurate. However, The Harry J. Bosworth company does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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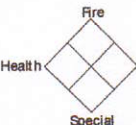
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PRODUCT: SuperEBA Liquid
DATE PREPARED: 08/04/04

Hazardous Components		Physical/Chemical Characteristics	
INGREDIENTS: 1. Ethoxy Benzoic Acid 2. Eugenol	PERCENTAGE: 1. N/A 2. N/A	BOILING POINT 210°C	MELTING POINT: N/A
COMMON NAMES AND SYNONYMS: 1. Ethoxy Benzoic Acid 2. Eugenol	CAS NUMBER: 1. 134-11-2 2. 97-53-0	SPECIFIC GRAVITY: (H ₂ O=1) 1.06 @ 20°C	VAPOR DENSITY: (Air = 1) N/A
PEL: 1. N/D 2. N/D	UN NUMBER: 1. N/A 2. N/A	VAPOR PRESSURE: N/A	EVAPORATION RATE: (Butyl Acetate = 1) N/A
TLV: 1. N/D 2. N/D		APPEARANCE/ODOR: Pale yellow to amber color liquid. Clove odor.	SOLUBILITY IN WATER: Insoluble

Reactivity Data	Fire and Explosion Hazard Data
STABILITY: Stable at room temperature (72°F)	FLASH POINT: >200°F
CONDITIONS TO AVOID: Heat and light	LIMITS: LEL: N/A UEL: N/A
HAZARDOUS DECOMPOSITION PRODUCTS: None known.	EXTINGUISHING MEDIA: CO ₂ , dry chemical and foam.
HAZARDOUS POLYMERIZATION: Will not occur.	SPECIAL FIREFIGHTING PROCEDURES: N/A
CONDITIONS TO AVOID: Excessive heat and light.	UNUSUAL FIRE AND EXPLOSION HAZARDS: N/A

Health Hazard Data	
CARCINOGENICITY: N/D	NTP: N/A
IARC: N/A	OSHA REGULATED: N/A
Effects and Hazards of Overexposure (Acute and Chronic)	
EFFECTS AND HAZARDS OF EYE CONTACT: May cause eye irritation.	
EFFECTS AND HAZARDS OF SKIN CONTACT: May cause irritation. Repeated contact may cause allergic dermatitis.	
EFFECTS AND HAZARDS OF INHALATION (BREATHING): May cause respiratory tract irritation.	
EFFECTS AND HAZARDS OF INGESTION (SWALLOWING): May cause discomfort.	

Emergency and First Aid Procedures
TREATMENT FOR EYE CONTACT: Wash eyes with plenty of water for 15 minutes. If discomfort persists, see physician.
TREATMENT FOR SKIN CONTACT: Wash skin with soap and water.
TREATMENT FOR INHALATION (BREATHING): Remove person to fresh air. If trouble persists, call physician.
TREATMENT FOR INGESTION (SWALLOWING): Induce vomiting, call physician.
Precautions for Safe Handling and Use
STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Avoid breathing. Keep from contact with skin and eyes. Soak up and store in container for disposal.
WASTE DISPOSAL METHOD: Dispose of in accordance with local, state, and federal regulations.
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in a cool, dry place away from light.
OTHER PRECAUTIONS: This product is for professional use only as stated in directions. It is the responsibility of the dentist to train personnel.

Control Measures
RESPIRATORY PROTECTION: Not required under normal usage.
Ventilation
LOCAL EXHAUST VENTILATION N/A
SPECIAL VENTILATION: N/A
MECHANICAL (GENERAL) VENTILATION: N/A
OTHER VENTILATION: N/A
PROTECTION GLOVES: Use if necessary.
EYE PROTECTION: Use goggles as a safety precaution.
OTHER PROTECTIVE EQUIPMENT: Use lab apron.
WORK AND HYGIENIC PRACTICES: Wash hands before eating and smoking

Additional Information	
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