

Date Revised: February 1, 2006

Section I. Product Identification

Product Name: Varibar Products
Manufacturer: E-Z-EM, Canada, on behalf of E-Z-EM, Inc. **Emergency/Information Contact:** Adrienne Setton
Emergency/Information Telephone: (800)-544-4624 or (516)-333-8230, extension 3400
Product Codes: D115, D121, D122, D125

Section II. Components

Components	CAS No.	%(optional)
Barium Sulfate	7727-43-7	Proprietary
Suspending and Dispersing Agents		Proprietary
Flavors		Proprietary
Xylitol	87-99-0	Proprietary
Sodium Saccharin	128-44-9	<0.1%

Section III. Physical Data

Boiling Point: Not Tested
Specific Gravity (H2O = 1): Range : 1 - 2.75 g/ml
Vapor Pressure (mm Hg): Not tested
Melting Point: Not tested
Vapor Density (Air = 1): Not tested
Evaporation Rate (Butyl Acetate = 1): Not tested
Solubility in Water: Insoluble
Appearance & Odor: White to Off-white or tan suspension with no odor or slightly fruity or vanillin odor.

Section IV. Fire and Explosion Hazard Data

Flash Point (method): Not tested
Flammable Limits: UEL - N/A LEL - N/A
Fire Extinguishing Media: Use extinguishing media that is suitable for surrounding fire.
Special Fire Fighting Procedures: Firefighters should wear full protective equipment and self-contained breathing apparatus with full face piece.
Unusual Fire & Explosion Hazards: None known
Toxic Gases Emitted: sulfur dioxide

Section V. Reactivity Data

Stability: Stable
Conditions to avoid: None documented
Incompatible materials: Phosphorus, Aluminum
Decomposition products: Not tested

Hazardous Polymerization: Will not occur

Section VI. Health Hazard Data

Permissible Exposure Limit (PEL) for barium sulfate: Total Dust - 15 mg/m³ Time Weighted Average (TWA), Respirable dust - 5 mg/m³ TWA. Dust exposure is not a concern since products are liquids.

Threshold Limit Value (TLV) for barium sulfate: Total Dust: 10 mg/m³ TWA, Silica - quartz, respirable dust - 0.1 mg/m³. Dust exposure is not a concern since products are liquids.

Short-Term Exposure Limit (STEL): Not established

Routes of Exposure: Inhalation (dust exposure is not a concern since these products are liquids), Ingestion

Health Hazards (acute and chronic): Through normal routes of entry, not expected to be a hazard. In some cases where skin and eye contact occurs, product may cause irritation. No adverse health effects expected from chronic exposure.

Effects of exposure: May cause constipation. Products contain xylitol, which may cause a laxative effect in some individuals. Consult label for more information.

Medical conditions generally aggravated by exposure: No information found relating to normal routes of exposure.

Emergency and First Aid procedures:

- **Eye contact** - Flush with water for at least 15 minutes.
- **Skin contact** - wash area thoroughly with soap and water.
- **If ingested and person is conscious** - give several glasses of water to dilute. If irritation persists or large quantities are ingested, get medical attention.

Section VII. Spill and Disposal Information

Steps to be taken in case material is released or spilled: Wear appropriate protective equipment. Absorb spill with an absorbent and inert material, such as sand or vermiculite. Place materials in container and label properly.

Waste Disposal Procedures: Products are not listed hazardous wastes under RCRA. Products are not likely to qualify as characteristic hazardous wastes, but any final determination depends on the specific circumstances of product usage and handling. Disposal should take place in compliance with federal, state and local laws and regulations.

Section VIII. Handling and Storage Precautions

Store indoors in a tightly closed container, protected from extreme temperatures and potential sources of damage. Can be stored in any general chemical storage area.

Do not smoke, eat or drink while handling any chemical. Practice good industrial and personal hygiene to avoid unnecessary exposure.

Section IX. Protective Equipment

Respiratory Protection: Varibar products are not expected to require any personal respirator usage.

Ventilation: Use adequate local exhaust ventilation to keep fume levels as low as possible.

Protective Gloves: Appropriate gloves

Eye Protection: Safety goggles or glasses

Emergency Equipment: Always ensure there is an emergency eye wash in the area.
