

MSDS Barium Sulfate Suspension Products

Date Revised: February 1, 2006
Date Last Reviewed: December 21, 2007

Section I. Product Identification

Product Name: Barium Sulfate Suspension Products. **E-Z-hd**
Manufacturer: E-Z-EM, Canada, on behalf of E-Z-EM, Inc., 1111 Marcus Avenue, Suite LL-26, Lake Success, New York, 11042.
Emergency/Information Contact: Adrienne Setton
Emergency/Information Telephone: (800)-544-4624 or (516) 333-8230, extension 3400
Product Codes: 720,721,723,724,726,728,729,738,770,7150, 7250,7350,7450,7550, 7650, 8140,9450, L147,L150,L164,L168,L178, L186,L196,P410,P650PPS

DIN: 309608
Pat.: 3773 243

Section II. Components

Components	CAS No.	%(Optional)
Barium Sulfate (can contain silica)	7727-43-7 (14808-60-7)	Proprietary (0.1 - 1% of barium sulfate)
Suspending and Dispersing Agents		Proprietary
Flavors		Proprietary
May contain Sorbitol	50-70-4	Proprietary
May contain Poligeenan	53973-98-1	>0.1%
May contain Sodium Saccharin	128-44-9	<0.1%

Section III. Physical Data

Boiling Point: Not tested
Specific Gravity (H₂O = 1): Range : Not tested
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 is not a concern since these 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 is not a concern since these 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.

Carcinogenicity: Some products contain poligeenan. IARC lists poligeenan as a Class 2B meaning it is Possibly carcinogenic to humans. **NTP:** No **IARC:** Yes **OSHA:** No

Effects of exposure: May cause constipation. Some formulations contain sorbitol, which may cause diarrhea 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 material with an absorbent and inert material, such as sand or vermiculite. Place materials in a 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: Barium sulfate liquid suspensions 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.