



material safety data sheet

(in compliance with 29 CFR 1910.1200)

identity: STANDARD ONE® BARIUM SULFATE B4, B8, B25

section 1 – Preparation / Product Information

manufactured for and supplied by:

Harwick Standard Distribution Corporation
60 South Seiberling Street
P.O. Box 9360
Akron, OH 44305-0360

telephone no: (330) 798-9300

date prepared: April 29, 2004

preparer: Health, Safety & Environment

product use: Filler

section 2 – Ingredients / Identity Information

components chemical identity/cas#	exposure limits			Toxicity LD50/LC50	amount %
	PEL	TLV	OTHER		
Barium Sulfate CAS# 7727-43-7	5mg/m ³	10mg/m ³			60-100
Crystalline Silica (Quartz) CAS# 14808-60-7	0.1mg/m ³	0.1mg/m ³			5-10

section 3 – Physical / Chemical Characteristics

boiling point:	Not Available	specific gravity:	4.2 +
freezing point:	Not Available	pH:	Not Available
vapor pressure (mm Hg):	Not Applicable	odor threshold (ppm):	Not Available
vapor density (AIR=1):	Not Applicable	coef. water/oil dist.:	Not Available
solubility in water	Insoluble	evaporation rate:	Not Applicable
appearance (physical state) and odor:		Solid powder; White to Tan Odor; None	

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section 4 – Fire and Explosion Hazard Data

flash point (method): Not Applicable
extinguishing media: Not Applicable
special fire fighting procedures: None known
unusual fire and explosion hazards: None known
hmis rating: 0
hazardous combustion products: Not Applicable

section 5 – Reactivity Data

stability **stable:**
 unstable:
conditions to avoid (cond. of reactivity): None Known
incompatibility (materials to avoid): None Known
hazardous decomposition or byproducts: None Known
hazardous polymerization may occur:
 will not occur:
conditions to avoid: None known
hmis rating: 0

section 6 – Health Hazard Data

primary routes of exposure

inhalation **skin contact** **eye contact**
skin absorption **skin ingestion**

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health hazards

acute: Treat as a nuisance dust, product may irritate the eyes, skin, and respiratory system. May cause temporary irritation to throat, stomach & gastrointestinal tract.

Chronic: WARNING! This product contains crystalline silica. Long-term overexposure to crystalline silica causes silicosis, a form of pulmonary fibrosis. Continued overexposure to silica can lead to cardiopulmonary impairment.

Carcinogenicity:

NTP

IARC Group 1

OSHA

Crystalline silica has been reviewed by IARC. IARC found sufficient evidence in humans for the carcinogenicity of inhaled crystalline silica in the form of quartz or cristobalite from occupational sources. There may be a relationship between silicosis and certain cancers.

signs and symptoms of exposure: See Health Hazards above.

medical conditions generally aggravated by exposure: Inhaling respirable dust and/or crystalline silica may aggravate existing respiratory system disease(s) and/or dysfunction's. Exposure to dust may aggravate existing skin and/or eye conditions.

hmis rating: 1*

section 7 – First Aid Measures

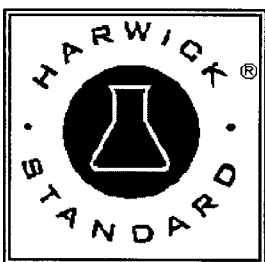
emergency and first aid procedures

inhalation: Dust may irritate the nose, throat, and respiratory tract by mechanical abrasion. Move to fresh air. Consult a physician.

ingestion: Product is not considered toxic in small amounts. If person is conscious, give large quantity of water and induce vomiting. Immediately consult a physician.

skin contact: Wash with soap and water. If irritation develops, consult a physician.

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eye contact: Flush with water for 15 minutes. If irritation develops, consult a physician.

section 8 – Precautions for Safe Handling and Use

steps to be taken in case material is released or spilled:

Provide adequate ventilation. Contain the discharge material. Use vacuum equipment with HEPA filters or wet sweeping/dust suppressant if sweeping is required.

waste disposal method:

In accordance with federal, state, and local regulations. Refer to Section 10.

precautions to be taken in handling and storing:

Store in a cool, dry, well-ventilated area.

other precautions:

Avoid getting this material into contact with skin and eyes.

section 9 – Control Measures

respiratory protection (specify type):

A NIOSH/MSHA approved respirator above PEL or TLV or as necessary.

ventilation

**local exhaust:
mechanical (general):**

Recommended to minimize exposure.
Recommended to minimize exposure.

protective gloves:

Impervious

eye protection:

dust goggles

other protective clothing or equipment:

Eyewash station, emergency shower

work/hygienic practices:

Wash thoroughly before eating or smoking.

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section 10 – Additional Information

special shipping information: Not DOT Regulated.

TSCA Inventory Status:

Chemical components are listed on the TSCA inventory.

sara title III

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

None known

RCRA status

The following chemical components are listed under (40 CFR 261):

None known

CALIFORNIA PROP 65

WARNING! This product contains a chemical known to the state of California to cause cancer.

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