

Material Safety Data Sheet

THESE SHEETS ARE PREPARED FOR SIMPLEX SOIL TEST REAGENTS (maximum size 2 oz) AND APPLY ONLY TO SUCH

#9732

I. General Information

C8751

Chemical Name & Synonyms Chemical Mixture	Trade Name & Synonyms SIMPLEX SOIL TEST REAGENT # 16
Chemical Family Barium Chloride	Formula 6.5% BaCl ₂ plus water
Proper DOT Shipping Name Barium Chloride	DOT Hazard Classification
Manufacturer THE EDWARDS LABORATORY	Manufacturer's Phone Number (419) 6278861
Manufacturer's Address 3606 Venice Rd Sandusky, OH 44870	

II. Ingredients

Principal Hazardous Components	Percent	Threshold Limit Value (TLV)
Barium	5	0.5 mg/m ³

III. Physical Data

Boiling Point (°F) 210	Specific Gravity (H₂O = 1) 1.1
Vapor Pressure (mm Hg.) same as water	Percent Volatile By Volume (%) 93.5
Vapor Density (Air = 1) same as water	Evaporation Rate (H₂O = 1) equal to water
Solubility in Water Soluble	pH 5 to 6
Appearance & Odor colorless and odorless	

IV. Fire & Explosion Hazard Data

Flash Point (Test Method) not combustible	Auto Ignition Temperature	
Flammable Limits	LEL	UEL
Extinguishing Media NA		
Special Fire Fighting Procedures Not applicable in quantities available		
Unusual Fire & Explosion Hazards		

V. Health Hazard Data SIMPLEX REAGENT # 16

Threshold Limit Value 0.5 mg/m ³	OSHA Threshold Limit Value same	ACGIH Threshold Limit Value same
Carcinogen - NTP Program None	Carcinogen - IARC Program None	
Symptoms of Exposure		
Medical Conditions Aggravated By Exposure		
inhalation- upper respiratory irritant ingestion- gastroenteritis		
Primary Route(s) of Entry Inhalation		
Emergency First Aid Inhalation: Remove to fresh air; Eye Contact: Flush with water for 15 min. Ingestion: get immediate medical attention; Skin Contact flush with water for 15 min.		

VI. Reactivity Data

Stability	<input checked="" type="checkbox"/> Unstable <input checked="" type="checkbox"/> Stable	Conditions To Avoid keep in labeled container
Incompatibility		Materials To Avoid
Hazardous Polymerization	<input checked="" type="checkbox"/> May Occur <input checked="" type="checkbox"/> Will Not Occur	Conditions To Avoid Not Applicable
Hazardous Decomposition Products		

VII. Environmental Protection Procedures

Spill Response
for the small quantities involved absorb on material such as vermiculite then allow to evaporate with adequate ventilation

Waste Disposal Method
dispose of as hazardous waste

VIII. Special Protection Information

Eye Protection Goggles/Faceshield	Skin Protection Barrier cream/gloves
Respiratory Protection (Specific Type) None required	Ventilation Recommended Local exhaust
Other Protection None	

IX. Special Precautions

Hygienic Practices In Handling & Storage
Store in lidded containers between 41°F and 86°F.

Precautions For Repair & Maintenance Of Contaminated Equipment
not applicable

Other Precautions
None