

PRMI

# MATERIAL SAFETY DATA SHEET

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## SECTION 1 Product Identification

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**CHEMICAL NAME:** Barium acetate  
**CAS#:** 543-80-6  
**FORMULA:** Ba(OOCCH<sub>3</sub>)<sub>2</sub>  
**SYNONYM:** Barium diacetate, Acetic acid, barium salt  
**CHEMICAL FAMILY:** metal acetate salt

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## SECTION 2 Composition and Information on Ingredients

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INGREDIENT:	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	543-80-6	100	0.5mg/m <sup>3</sup> (as Ba-sol)	0.5mg/m <sup>3</sup> (as Ba-sol)

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## SECTION 3 Hazards Identification

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**EMERGENCY OVERVIEW:** Barium compounds are generally poisonous when taken by mouth.  
**PRIMARY ROUTES OF EXPOSURE:** Ingestion, eyes, inhalation  
**EYE CONTACT:** May cause slight to mild irritation of the eyes.  
**SKIN CONTACT:** May cause slight to mild irritation of the skin.  
**INHALATION:** May cause difficulty in breathing and irritate mucous membranes and respiratory tract.  
**INGESTION:** Ingestion may lead to vomiting, rapid pulse, pain, and convulsions.  
**ACUTE HEALTH EFFECTS:** May be irritating to skin, eyes and respiratory tract. Barium may form a protein adduct in serum and deposit in bone.  
**CHRONIC HEALTH EFFECTS:** No information available on long-term chronic effects.

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## SECTION 4 First Aid Measures

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**EYE EXPOSURE:** Immediately flush the eyes with copious amounts of water for at least 10-15 minutes. A victim may need assistance in keeping their eye lids open. Get immediate medical attention.  
**SKIN EXPOSURE:** Wash the affected area with water. Remove contaminated clothes if necessary. Seek medical assistance if irritation persists.  
**INHALATION:** Remove the victim to fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty in breathing, coughing, wheezing, or pain. In such cases seek immediate medical assistance.  
**INGESTION:** Seek medical attention immediately. Keep the victim calm. Give the victim water (only if conscious). Induce vomiting only if directed by medical personnel.

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## SECTION 5 Firefighting Measures

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**FLASH POINT:** none