

# MATERIAL SAFETY DATA SHEET

Manufacturer: Strem Chemicals, Inc.  
7 Mulliken Way  
Newburyport, MA 01950-4098

STREM CUSTOMER SERVICE: (978) 462-3191  
CHEMTREC (EMERGENCY ONLY): (800) 424-9300  
POISON CENTER: (800) 562-8236

## SECTION 1 Product Identification

**CHEMICAL NAME:** Bis(2,2,6,6-tetramethyl-3,5-heptanedionato)barium hydrate Ba(TMHD)<sub>2</sub>

**PRODUCT NUMBER:** 56-8500

**CAS REGISTRY NUMBER:** 17594-47-7

**FORMULA:** Ba(C<sub>11</sub>H<sub>19</sub>O<sub>2</sub>)<sub>2</sub>.XH<sub>2</sub>O

**EINECS NUMBER:** none

**CHEMICAL FAMILY:** metal beta-diketonate complexes

**SYNONYM:** Barium TMHD, Barium THD

## SECTION 2 Composition and Information on Ingredients

INGREDIENT:	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	17594-47-7	100	0.5mg/m <sup>3</sup> (as Ba - sol)	0.5mg/m <sup>3</sup> (as Ba - sol)

## SECTION 3 Hazards Identification

**EMERGENCY OVERVIEW:** Harmful if swallowed. May be irritating to skin, eyes and respiratory tract.

**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:** Harmful if swallowed. Ingestion may lead to vomiting, rapid pulse, pain and convulsion.

**ACUTE HEALTH EFFECTS:** May be irritating to skin, eyes and respiratory tract. Barium forms a protein adduct in serum and is deposited in bone.

**CHRONIC HEALTH EFFECTS:** No information available on long-term chronic effects.

**NTP:** No

**IARC:** No

**OSHA:** No

## SECTION 4 First Aid Measures

**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.