

FLINN SCIENTIFIC, INC.

Material Safety Data Sheet (MSDS)

MSDS #: 92.00

Revision Date: July 8, 2011

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Barium Acetate

Flinn Scientific, Inc. P.O. Box 219 Batavia, IL 60510 (800) 452-1261

CHEMTREC Emergency Phone Number: (800) 424-9300

SECTION 2 — COMPOSITION, INFORMATION ON INGREDIENTS

Barium acetate

Synonym: barium diacetate

CAS#: 543-80-6

SECTION 3 — HAZARDS IDENTIFICATION

White powder or crystals. Odorless.

Avoid skin and eye contact. Moderately toxic by ingestion and inhalation.

Barium hazard: all soluble barium compounds are poisonous if swallowed and cause nausea, vomiting, stomach pains, and diarrhea.

When heated to decomposition, it emits acrid smoke and fumes.

FLINN AT-A-GLANCE

Health-2

Flammability-0

Reactivity-0

Exposure-2

Storage-0

0 is low hazard, 3 is high hazard

SECTION 4 — FIRST AID MEASURES

Call a physician and seek medical attention for further treatment, observation, and support after first aid.

Inhalation: Remove to fresh air at once. If breathing has stopped, give artificial respiration immediately.

Eye or External: Immediately flush with fresh water for at least 15 minutes.

Internal: Induce vomiting. After vomiting, give a mixture of 1 Tbs. magnesium sulfate in one cup of water. Call a physician or poison control at once.

SECTION 5 — FIRE FIGHTING MEASURES

Nonflammable solid.

NFPA CODE

None
established

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Restrict unprotected personnel from the area. Ventilate area. Wipe up the spill, place in a sealed bag or container, and dispose. Wash spill site after material pickup is complete. See Sections 8 and 13 for further information.

SECTION 7 — HANDLING AND STORAGE

Flinn Suggested Chemical Storage Pattern: Inorganic #2. Store with acetates, halides, sulfates, sulfites, thiosulfates, and phosphates.

Store in a cool, dry place. Use and dispense in a hood.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Avoid contact with eyes, skin, and clothing. Wear chemical splash goggles, chemical-resistant gloves, and chemical-resistant apron. Use exhaust ventilation to keep airborne concentrations low.

Exposure guidelines: PEL 0.5 mg/m³ (as Ba) (OSHA)

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

White powder and crystals.
Solubility: Water soluble (66%). Insoluble in alcohol.
Formula: $(\text{CH}_3\text{CO}_2)_2\text{Ba}$ H_2O
Formula weight: 255.44

Melting point: decomposes
Specific gravity: 2.02

SECTION 10 — STABILITY AND REACTIVITY

When heated to decomposition, it emits acrid smoke and fumes.
Avoid contact with strong oxidizers.
Shelf life: Indefinite, if stored properly.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Harmful dust.
Chronic effects: N.A.
Target organs: Heart nerves, kidneys, GI system, bone marrow, spleen, and liver.

ORL-RAT LD_{50} : 921 mg/kg
IHL-RAT LC_{50} : N.A.
SKN-RBT LD_{50} : N.A.

N.A. = Not available, not all health aspects of this substance have been fully investigated.

SECTION 12 — ECOLOGICAL INFORMATION

Data not yet available.

SECTION 13 — DISPOSAL CONSIDERATIONS

Please review all federal, state and local regulations that may apply, before proceeding.
Flinn Suggested Disposal Method #27h is one option.

SECTION 14 — TRANSPORT INFORMATION

Shipping name: Barium Compounds, N.O.S.
Hazard class: 6.1 Keep away from food
UN number: UN1564
N/A = Not applicable

SECTION 15 — REGULATORY INFORMATION

TSCA-listed, EINECS-listed (208-849-0), RCRA code D005.

SECTION 16 — OTHER INFORMATION

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**Consult your copy of the *Flinn Science Catalog/Reference Manual*
for additional information about laboratory chemicals.**