



Materials Safety Data Sheet
Barium Oxalate

MSDS Number: BA1400

dcn: 568

Revision: 0

Last Updated on: 7/1/2006

Product Name: **Barium Oxalate** **BaC₂O₄**

Synonyms: No information found.

Manufacturer: **Barium & Chemicals, Inc.**
PO Box 218
515 Kingsdale Road
Steubenville, Ohio 43952-5218

Phone: 740-282-9776

Fax: 740-282-9161

Web: www.bariumchemicals.com

24-hour Emergency Phone Number: Chemtrec 800-424-9300

CHEMTREC INTERNATIONAL: 703-527-3887

2.) INFORMATION ON INGREDIENTS

	<i>EINECS</i>	<i>PERCENT</i>	<i>CAS NO:</i>
Barium Oxalate	208-216-9	100%	516-02-9

3.) HAZARDS IDENTIFICATION

Emergency Overview: Warning! Get medical attention immediately if ingested. Renal damage can result.

Potential Health Effects: Minor irritation may be the result of inhalation, skin contact, or eye contact. Redness may also occur upon skin contact. Ingestion may cause severe gastroenteritis with vomiting and diarrhea. Renal damage can result from ingestion.

4.) FIRST AID MEASURES

Inhalation: Move to fresh air. If breathing becomes troublesome, get medical attention.

Skin Contact: Wash with soap and water. Get medical attention if redness and irritation persists.

Eye Contact: Flush with large amounts of water to remove all trace of chemical from eyes (at least 15-20 minutes). Get medical attention.

Ingestion Contact: Get medical attention immediately.

5.) FIRE FIGHTING MEASURES

Extinguishing Media: Water, water spray, or foam.

Special Fire Fighting Procedures: Move containers from fire if it can be done without risk.

Fire and Explosion Hazards: Not applicable.

Hazardous Combustion Products: Reacts with strong acids to form oxalic acid. Runoff water may be corrosive and toxic.

Protective Measure in Fire: Avoid contact and dike area for later disposal. Prevent runoff from entering natural waterways.

6.) ACCIDENTAL RELEASE MEASURES

- Personal Precaution in Spill:** Avoid contact with material. Wear personal protective equipment as outlined in Section 8.
- Environment:** Dike ahead of large spill to prevent material from entering natural waterways. Restrict access to spill area.
- Spill Clean Up:** Sweep up carefully to remove as much uncontaminated material as possible. Contaminated material is considered a toxic waste and must be disposed of in a licensed toxic waste dump.
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7.) HANDLING/STORAGE

- Usage Precautions:**
- Usage Descriptions:**
- Storage Precautions:**
- Handling Precautions:** Store away from strong acids. Wash hands before eating or smoking. No eating or smoking in work area.
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8.) EXPOSURE CONTROLS / PERSONAL PROTECTION

- Protective Equipment:** Use adequate ventilation to meet exposure limits. Where exposure limits may be exceeded, use OSHA approved respirator.
- Process Conditions:** Threshold Limit Value: TWA air (Barium compounds) 500 mg/m³
- Respirators:** Use OSHA approved respirator.
- Protective Gloves:** Wear general purpose gloves.
- Eye Protection:** Wear chemical safety goggles.
- Other Protection:** Wear full cover protective clothing.
- Hygienic Work Practices:** No smoking or eating in work area.
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9.) PHYSICAL / CHEMICAL PROPERTIES

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|-----------------------|-----------------------|--------------------------|-----------------------|
| Appearance: | powder | Color: | white |
| Odor/Taste: | odorless | Specific Gravity: | 2.658 |
| Solubility: | soluble in water | Solubility Value: | 0.0016 |
| Melting Point: | No information found. | Boiling Point: | No information found. |
| Decomp Temp: | | Flash Point: | |
| pH: | | | |
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10.) STABILITY / REACTIVITY

- Stability:** Stable.
- Hazardous Decomp Products:** Reacts with strong acids to form Oxalic acid.
- Conditions to Avoid:** Contact with strong acids.
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11.) TOXICOLOGICAL INFORMATION

- Toxic Dose LD 50:** No information found.
- Toxicological Info:** Severe irritation if ingested - severe gastroenteritis with vomiting and diarrhea. Renal damage can result.
- Inhalation:** No information found.
- Skin:** No information found.
- Eyes:** No information found.
- Medical Symptoms:** No information found.

12.) ECOLOGICAL INFORMATION

Toxicity: No information found.
Distribution: No information found.
Chemical Fate: No information found.

13.) DISPOSAL CONSIDERATIONS

Disposal Methods: Contaminated residue and sweepings are considered toxic waste and must be disposed of in a licensed toxic waste dump. If quantities are large enough to be significant, contact manufacturer for proper treatment.

General Cleaning:

14.) TRANSPORTATION INFORMATION**DOT - GROUND TRANSPORTATION:**

Proper Shipping Name: TOXIC SOLID ORGANIC, NOS(Barium Oxalate)

Hazard Class: 6.1

UN. NO#: UN2811

Packing Group #: 6.1 / III

IATA/IMDG REGULATIONS:

Proper Shipping Name: TOXIC SOLID ORGANIC, NOS(Barium Oxalate)

Hazard Class: 6.1

UN. NO#: UN2811

Packing Group #: 6.1 / III

IMDG EMS: f-A, s-A

Shipping Options for this product include:



FedEx



Transportation Notes: NMFC 45465-1 -- CLASS

77.5 HST 2917.11.00.00

15.) REGULATORY INFORMATIONChemical Inventory Status Part 1

Ingredient:	CASNO:	TSCA:	EINECS:	China:	Japan:	Australia:
Barium Oxalate	516-02-9	No	No	No	No	No

Chemical Inventory Status Part 2

Ingredient:	CASNO:	Korea:	DSL:	NDSL:	Phil.:
Barium Oxalate	516-02-9	No	No	No	No

Federal, State, International Regulations- Part 1

Ingredient:	CASNO:	SARA 302:		SARA 313	
		RQ:	TPQ:	LIST	Chemical Catg:
Barium Oxalate	516-02-9	No	No	No	No

Federal, State, International Regulations- Part 2

Ingredient:	CASNO:	RCRA 261.33:	TSCA 8(d):	CERCLA
Barium Oxalate	516-02-9	No	No	No

Additional Items

Chemical Weapons Convention:	Acute:	TSCA 12	CDTA:	SARA	Reactivity:	Chronic:

		(b):			311/312:		
No		No	No	No	No	No	No
Fire	Pressure:	Australian HazChem Code:			Poison Schedule:		WHMIS:
No	No	No			No		No

16.) INFORMATION SOURCES

Information Sources:

Revision Comments:

Other Information:

Disclaimer:

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