

Barium Chromate

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name:	Barium Chromate
CAS Number:	10294-40-3
EC Number:	233-660-5

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified use: Laboratory chemicals, manufacture of substances

1.3 Details of the supplier of the safety data sheet

Company name:	East Harbour Group Ltd Miranda House, The Quay Harwich, Essex, CO12 3HH United Kingdom
Telephone:	+44 (0) 333 242 0100
Email:	info@eastharbourgroup.com

1.4 Emergency telephone number

Emergency telephone:	0800 246 1274
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Section 2: Hazardous identification

2.1 Classification of the substance or mixture

H272: Oxidising solids
H302: Acute toxicity, oral
H332: Acute toxicity, inhalation
H350: Carcinogenicity

2.2 Label elements



Signal word: DANGER

Hazard Statements:

H272: May intensify fire, oxidiser

H301: Toxic if swallowed



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H350: May cause cancer
 H332: Harmful if inhaled
 H317: May cause an allergic skin reaction

Precautionary Statements:

P201: Obtain special instructions before use.
 P202: Do not handle until all safety precautions have been read and understood.
 P210: Keep away from heat.
 P220: Keep/store away from clothing/combustible materials.
 P261: Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
 P264: Wash skin thoroughly after handling.
 P270: Do not eat, drink or smoke when using this product.
 P271: Use only outdoors or in a well-ventilated area.
 P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.
 P301 + P312 + P330: IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth.
 P304 + P340 + P312: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.
 P308 + P313: IF exposed or concerned: Get medical advice/ attention.
 P370 + P378: In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
 P501: Dispose of contents/ container to an approved waste disposal plant.

2.3 Other hazards

No information available

Section 3: Composition/information on ingredients

3.2 Mixtures

CAS #	Content (W/W)	OSHA	ACGIH
10294-40-3	100%	0.5 mg/m ³ as Ba & as Chromium III	0.5 mg/m ³ as Ba & as Chromium III

Chemical name: Barium Chromate
 Common name / synonyms: Barium Chromate

Section 4: First aid measures

4.1 Description of first aid measures

In case of skin contact: In case of contact, flush skin with water. Wash clothing before reuse. Call a physician if irritation occurs.
 In case of eye contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.



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If swallowed: If swallowed, call a physician immediately.

If inhaled: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

4.2 Most important symptoms and effects, both acute and delayed

No information available

4.3 Indication of any immediate medical attention and special treatment needed

No information available

Section 5: Fire-fighting measures

5.1 Fire Fighting Media and Instructions:

Flammability: Non-Flammable

Flash Point: Not Applicable

Auto Ignition: Not Applicable

Flammable Limits: Not Applicable

Extinguishing Media: Water, dry chemical, carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Emits toxic fumes under fire conditions

5.3 Advice for firefighters

Fire Fighting Procedure: Wear self-contained breathing apparatus. If possible, move containers away from fire and keep containers cool by means of a water spray.

Section 6: Accidental release measures

6.1. Spill or leak procedures

Utilise recommended protective clothing and equipment. Clean spills in a manner that does not disperse dust into the air. Spill area can be washed with water. Collect wash water for approved disposal. Keep from entering water or ground water.

Section 7: Handling and storage

7.1 Precautions for safe handling

Storage Temperatures:

Store at ambient temperature

Shelf Life:

Unlimited in tightly sealed container

Special Sensitivity:

None.

Handling/Storage Precautions:

Avoid breathing dust. Avoid getting in eyes or on skin. Wash thoroughly after handling. Store in a dry place away from direct sunlight, heat and incompatible materials. Reseal containers immediately after use. Store away from food and beverages.



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Section 8: Exposure controls/personal protection

8.1 Control parameters

Eye Protection: Safety glasses or goggles.

Skin Protection: PVC gloves with impervious boots, apron or coveralls. Wash hands and face before eating, drinking or using tobacco.

Respirator: Work ambient concentrations should be monitored and if the recommended exposure limit is exceeded, a NIOSH/MSHA approved dust respirator must be worn.

Ventilation: Use local ventilation if dusting is a problem, to maintain air levels below the recommended exposure limit.

Additional Measures: Emergency showers and eye wash stations should be available. Educate and train employees in the safe handling of hazardous chemicals.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Yellow
Physical State	Fine powder
Odor	Odourless
Odor Threshold	No information available
pH	No information available
Melting Point/Range	210 C (415 F)
Boiling Point/Range	No information available
Flash Point	No information available
Evaporation Rate	No information available
Flammability (solid, gas)	No information available
Explosion Limits	No information available
Vapor Pressure	No information available
Vapor Density	No information available
Specific Gravity / Density	4.5
Bulk Density	No information available
Water Solubility	Insoluble
Solubility in other solvents	No information available
Partition Coefficient	No information available
Auto-ignition temperature	No information available
Decomposition temperature	No information available

Section 10: Stability and Reactivity

10.1 Reactivity	No information available
10.2 Chemical Stability	Stable
10.3 Possibility of hazardous reactions	Hazardous polymerisation will not occur



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10.4 Conditions to avoid

Excessive temperatures

10.5 Incompatible materials

Reducing agents

10.6 Hazardous decomposition products

Oxides of chromium

Section 11: Toxicological Information

Product Information**11.1 Toxicological effects:**

RTECS Number: CQ8760000

Routes Of Exposure: Eye contact. Ingestion. Inhalation. Skin contact.

Toxicity Data: LD50 Oral-Rat 3,000 mg/kg

Chronic Toxic Effects: This product has no known chronic effects. Repeated or prolonged exposure to this chemical is not known to aggravate medical conditions.

Acute Toxic Effects: Irritating to the skin and eyes on contact. Inhalation will cause irritation to the lungs and mucus membranes. Irritation to the eyes will cause watering and redness. Reddening, scaling and itching are characteristics of skin inflammation. Follow safe industrial hygiene practices and always wear protective equipment when handling this compound.

Section 12: Ecological Information

12.1 Toxicity**Ecotoxicity effects**

No information available

Section 13: Disposal considerations

13.1 Waste treatment methods

Waste disposal should be in accordance with existing environmental regulations

Section 14: Transport Information

Proper Shipping Name: Barium Compounds, N.O.S. (Barium Chromate)

UN Number: 1564

Class 6.1

P.G.: III

Label Code: 6.1

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.



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Section 15: Regulatory Information

SARA 313 Title III:

Section 320 Extremely Hazardous Substances: None

Section 311/312 Hazardous Categories: None

Section 313 Toxic Chemicals: This product may be subject to reporting. (Barium content 54.21% & Chromium 20.53%)

