

**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**

<b>Company name:</b>	East Harbour Group Ltd 20 Clough Road, Severalls Industrial Park Colchester, Essex, CO4 9QS United Kingdom
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<b>Telephone:</b>	+44 (0) 333 242 0100
<b>Email:</b>	<a href="mailto:info@eastharbourgroup.com">info@eastharbourgroup.com</a>

**1.4 Emergency telephone number**

<b>Emergency telephone:</b>	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



# Barium Chromate

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 <sup>3</sup> as Ba & as Chromium III	0.5 mg/m <sup>3</sup> 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.



# Barium Chromate

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.



# Barium Chromate

## 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

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

## Section 10: Stability and Reactivity

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



## Barium Chromate

**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.



## Barium Chromate

### 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%)

