Hummel Croton Inc.
10 Harmich Rd.
South Plainfield, NJ 07080
www.HummelCroton.com
Phone: 908-754-1800
Fax: 908-754-1815

In Case Of Emergency Call Chemtrec®
(U.S.) (800) 424-9300
(International) (703) 527-3887

Barium Peroxide
Safety Data Sheet

1. Product and Company

Product name:	Barium Peroxide
Synonym:	Barium Dioxide
CAS-No.:	1304-29-6
Company:	Hummel Croton Inc. 10 Harmich Rd. South Plainfield, NJ 07080
Telephone:	908-754-1800
Fax:	908-754-1815

HMIS Rating	
Health	3
Flammabilitiy	0
Reactivity	3
Personal Protection	E

Emergency telephone number

Emergency Phone #:	Chemtrec US: 800-424-9300 Chemtrec International: 703-527-3887

2. Hazards

GHS Classification	Oxidizing solids (Category 2), H272 Acute toxicity, Oral (Category 4), H302 Acute toxicity, Inhalation (Category 4), H332

GHS Label elements

Pictogram(s)

Signal word **DANGER**

Hazard statement(s)

H272 May intensify fire; oxidizer.

H302 + H332 Harmful if swallowed or if inhaled

Precautionary statement(s)

P210 Keep away from heat.
P220 Keep/Store away from clothing/ combustible materials.
P221 Take any precaution to avoid mixing with combustibles.
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 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312 Call a POISON CENTER or doctor/ physician if you feel unwell.
P330 Rinse mouth.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
P501 Dispose of contents/ container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC) or not covered by GHS

None.

3. Composition/Ingredients

Substance
Formula: BaO_2
Molecular weight: 169.36 g/mol
CAS-No.: 1034-29-6

Material	CAS	%	OSHA	ACGIH
Barium Peroxide	1304-29-6	92-96%	0.5 mg/m^3 as Ba	0.5 mg/m^3 as Ba
Barium Oxide	1304-28-5	4-8%	0.5 mg/m^3 as Ba	0.5 mg/m^3 as Ba

4. First Aid

First Aid For Eye: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.
First Aid For Skin: In case of contact, flush skin with water. Wash clothing before reuse. Call a physician if irritation occurs.
First Aid For Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.
First Aid For Ingestion: If swallowed, call a physician immediately.

5. Fire Data

Flammability: Non-Flammable
Flash Point: Not Applicable
Auto Ignition: Not Applicable
Flammable Limits: Not Applicable
Extinguishing Media: Dry chemical powder
Fire Fighting Procedure: Firefighters should wear self-contained breathing apparatus and prevent contact with skin and eyes. Strong oxidizer.
Fire/Explosion Hazards: Material is an oxidizer. Emits toxic fumes under fire conditions. Contact with other material may cause fire.

6. Accidental Release

Spill Or Leak Procedures: Utilize 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.

7. Handling And Storage

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.

8. Exposure Controls/Personal Protection

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.

9. Physical And Chemical Properties

Physical Form: Powder
Color: Tan to Brown
Odor: Odorless
Molecular Weight: 169.36
Boiling Point: Not Applicable
Melting/Freezing Point: Decomposes to Barium Oxide above 800°C
Solubility In Water: Insoluble
Specific Gravity: 4.958

10. Stability And Reactivity

Stability: Stable.
Hazardous Polymerization: Will not occur.
Incompatibilities: Strong bases, acids and finely powdered metals.
Instable Conditions: Excessive temperatures (see incompatibilities).
Decomposition Temperature: Decomposes to Barium Oxide above 800°C
Decomposition Products: Oxides of barium.

11. Toxicological Information

RTECS Number: CR0175000
Routes Of Exposure: Eye contact. Ingestion. Inhalation. Skin contact.
Toxicity Data: LD50 Subcutaneous - Mouse 50 mg/kg
Chronic Toxic Effects: This material has not been fully tested.
Acute Toxic Effects: Harmful if swallowed, inhaled, or absorbed through skin. Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes and skin. Inhalation may be fatal as a result of spasm, inflammation and edema of the larynx and bronchi, chemical pneumonitis and pulmonary edema. Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting

12. Ecological Information

Ecotoxicity: Not available at this time.

13. Disposal Considerations

Waste Disposal Method: Waste disposal should be in accordance with existing federal, state and local environmental regulations.

14. Transportation Information

Proper Shipping Name: Barium Peroxide
UN Number: 1449
Class: 5.1
P.G.: II
Label Code: 5.1(6.1)

15. Regulatory Information

OSHA Status: This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.
TSCA Chemical Inventory: This compound is on the EPA Toxic Substance Control Act (TSCA) Inventory List
California Proposition 65: To the best of our knowledge, this product contains no levels of listed substances, which the State of California has found to cause cancer, birth defects or other reproductive effects.
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 81.1%)

16. Other Information

Prepared By: Michael Richard
Date: June 3, 2015
Reason For Issue: GHS Compliance

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