



Hummel Croton Inc.
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In Case Of Emergency Call
(U.S.) (800) 424-9300
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Barium Sulfate Safety Data Sheet

1. Product and Company

Product name: Barium Sulfate

Synonym: Blanc fix, Acrybaryte, Bakontal, Baridol, Barospere

CAS-No.: 7727-43-7

Company: Hummel Croton Inc.
10 Harmich Rd.
South Plainfield, NJ 07080

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HMIS Rating	
Health	0
Flammability	0
Reactivity	0
Personal Protection	E

Emergency telephone number

Emergency Phone #: Chemtrec US: 1-800-424-9300
ChemTel International: +1-813-248-0585

2. Hazards

GHS Label elements

Pictogram(s) Not a hazardous substance or mixture.

Signal word Not a hazardous substance or mixture

Hazard statement(s)

None

Precautionary statement(s)

None

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

None.

3. Composition/Ingredients

Substance
Formula: BaSO₄
Molecular weight: 233.43 g/mol
CAS-No.: 7727-43-7

Material	CAS	%	OSHA	ACGIH
Barium Sulfate	7727-43-7	100%	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: Water spray, foam, carbon dioxide, or dry chemical.

Fire Fighting Procedure: Firefighters should wear self-contained breathing apparatus and prevent contact with skin and eyes. Burning will produce toxic fumes.

Fire/Explosion Hazards: Emits toxic fumes under fire conditions.

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: Fine heavy crystals

Color: White

Odor: Odorless

Molecular Weight: 233.43 g/mol

Boiling Point: Not Established

Melting/Freezing Point: Decomposes above 1600°C

Solubility In Water: Insoluble

Specific Gravity: 4.25-4.5

10. Stability And Reactivity

Stability: Stable.

Hazardous Polymerization: Will not occur.

Incompatibilities: None.

Instable Conditions: Excessive temperatures (see incompatibilities).

Decomposition Temperature: Decomposes above 1600°C

Decomposition Products: Oxides of barium and sulfur.

11. Toxicological Information

RTECS Number: CR0600000

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

Toxicity Data: Tumorigenic Data: ipl-rat Tdlo: 200 mg/kg

Chronic Toxic Effects: This material has not been fully tested.

Acute Toxic Effects: May be harmful if inhaled. May cause eye irritation.

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 Sulfate
UN Number: N/A
Class: N/A
P.G.: N/A
Label Code: N/A

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: None

16. Other Information

Prepared By: Michael Richard
Date: March 20, 2018
Reason For Issue: Emergency Contact Update

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