

WHMIS	Protective Clothing	TDG Road / Rail
		

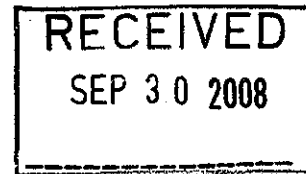
Section 1: Chemical product and company identification

Barium carbonate 325M

Code : Q05473
Synonym : Not available.
Manufacturer : Qingdao Color Trading Co.
Supplier : QUADRA CHEMICALS LTD.
 370, boul. Joseph-Carrier
 Vaudreuil-Dorion QC J7V 5V5
 Tel: (450) 424-0161

Burlington ON Tel: (905) 336-9133
 Delta BC Tel: (604) 940-2313
 Edmonton AB Tel: (780) 451-9222
 Calgary AB Tel: (403) 232-8130

Material uses : Industrial applications



**TRANSPORTATION EMERGENCY - 24HRS/DAY - 7 DAYS/WEEK
IN CANADA - CALL 1-800-567-7455**

Section 2: Composition, Information on Ingredients

Name	CAS #	% by weight	Exposure limits
barium carbonate	513-77-9	60-100	ACGIH TLV: 0.5mg/m ³ (as Ba) OSHA PEL: 0.5mg/m ³ (as Ba)

Consult local authorities for acceptable exposure limits.

Section 3: Hazards identification

Emergency overview : HARMFUL IF INHALED OR SWALLOWED.
MAY CAUSE RESPIRATORY TRACT, EYE AND SKIN IRRITATION.

Routes of entry : Ingestion. Inhalation.

Potential acute health effects

- Eyes** : May cause eye irritation.
- Skin** : Prolonged or repeated contact may cause irritation.
- Inhalation** : Dust may irritate the nose and throat and cause coughing and chest discomfort. In large doses causes death by cardiac or respiratory insufficiency.
- Ingestion** : Toxic if swallowed. In large doses causes death by cardiac or respiratory insufficiency.

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- Potential chronic health effects** : **CARCINOGENIC EFFECTS:** Classified A4 (Not classifiable for human or animal.) by ACGIH [barium carbonate].
MUTAGENIC EFFECTS Not available.
TERATOGENIC EFFECTS Not available.
DEVELOPMENTAL TOXICITY Not available.
May lead to varying degrees of paralysis of the extremities; hypertension may also be present. Chronic inhalation causes barytose (asymptomatic benign pneumoconiosis). Repeated or prolonged exposure to the substance can produce kidney damage.
- Medical conditions aggravated by overexposure** : No additional information.
- Over-exposure signs/symptoms** : Excessive salivation, vomiting, severe abdominal pain, violent purging with watery and bloody stools, slow and often irregular pulse and muscle twitchings, disorders of the rate of heartbeat (tachycardia and ventricular fibrillation), hypertension, hypokalemia.

See toxicological Information (section 11)

Section 4. First aid measures

- Eye Contact** : IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.
- Skin Contact** : Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Seek immediate medical attention.
- Inhalation** : Allow the victim to rest in a well ventilated area. If breathing is difficult, administer oxygen. If the victim is not breathing, perform artificial respiration. Seek immediate medical attention.
- Ingestion** : DO NOT induce vomiting. If the victim is conscious, give a little water or milk. NEVER give an unconscious person anything to ingest. Seek immediate medical attention.
- Notes to Physician** : Hypokalemia is often observed; potassium should be administered - large doses may be required.

Section 5. Fire fighting measures

- Flammability of the product** : Non-flammable.
- Auto-ignition Temperature** : Not applicable.
- Flash Points** : Not applicable.
- Flammable limits** : Not applicable.
- Products of combustion** : Not applicable.
- Fire hazards in presence of various substances** : Not applicable.
- Explosion hazards in presence of various substances** : Risks of explosion of the product in presence of mechanical impact: Not available.
Risks of explosion of the product in presence of static discharge: Not available.
- Fire fighting media and instructions** : Use extinguishing media suitable for surrounding fire. Use water spray to cool fire exposed containers. Wear NIOSH approved self-contained breathing apparatus (SCBA) when either in confined areas or exposed to combustion products.

Section 6. Accidental release measures

- Spill or leak** : Use appropriate tools to put the spilled material in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to federal, provincial and municipal environmental control regulations.

Section 7. Handling and storage

- Handling** : Follow routine safe handling procedures.
- Storage** : Keep container tightly closed. Keep in a cool, dry and well ventilated place. Avoid dust generation. Store away from incompatible materials. Empty containers retain product residue and can be hazardous.

Section 8: Exposure Controls, Personal Protection

Engineering controls : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of dust below their respective threshold limit value. Ensure that eye stations and safety showers are proximal to the work-station location.

Personal protection

Eyes : Splash goggles.

Body : Lab coat.

Respiratory : If user operations generate dust, fume, mist or if workplace contaminant level is above threshold limit, ensure to use a MSHA/NIOSH approved respirator or equivalent.

Hands : Chemical resistant gloves.

Feet : Safety shoes.

Section 9: Physical and chemical properties

Physical State and Appearance : Solid. (Powder.)

Color : White.

Odor : Odourless.

pH : 8 to 9 (Conc. (%): 1)

Boiling/condensation point : Decomposition temperature: >1400 °C (2552 °F)

Specific Gravity : 4.3 (Water = 1)

Solubility : Insoluble in water.

Section 10: Stability and reactivity

Stability and Reactivity : The product is stable.

Conditions of instability : Avoid extreme heat.

Incompatibility with various substances : The acids may react violently to decompose barium carbonate with the liberation of carbon dioxide.

Hazardous Decomposition Products : Barium oxide, carbon dioxide. May form other barium salts.

Hazardous polymerization : Will not occur.

Section 11: Toxicological information

Toxicity data : Acute oral toxicity (LD50): 418 mg/kg (Rat)

Chronic effects on humans : No additional information.

Other toxic effects on humans : No additional information.

Remarks on toxicity to animals : No additional information.

Section 12: Ecological information

Ecotoxicity data : Not available.

Remarks on the products of biodegradation : No additional remark.

Section 13: Disposal considerations

Waste information : Waste and empty packaging must be disposed of in accordance with federal, provincial, and municipal environmental control regulations.

Waste stream : Avoid entry of product into the sewage system or water streams.

Consult your local or regional authorities.

Section 14. Transport information

Regulatory Information	Shipping name and Class	UN number	Packing group
TDG Classification	BARIUM COMPOUND, N.O.S. Class 6.1	1564	III

Section 15. Regulatory information

- WHMIS (Canada) : HARMFUL IF INHALED OR SWALLOWED. MAY CAUSE RESPIRATORY TRACT, EYE AND SKIN IRRITATION.
Class D-1B.
- DSL (CEPA) : CEPA DSL: All ingredients are listed or exempted.
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations.

Section 16. Other information

- References : Canadian Guide of the Law and Regulations of the Transportation of the Dangerous Goods.
Manufacturer's Material Safety Data Sheet.
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Other special considerations : No additional remark.

Regulatory Affairs Department : (450) 424-0161

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.