



# MATERIAL SAFETY DATA SHEET

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## BARITE

### SECTION I: IDENTIFICATION OF PRODUCT

**Product Name:** BARITE CAS# 7727-43-7  
**Chemical Family:** Inorganic barium salt  
**WHMIS Classification:** Not controlled  
**Workplace Hazard:** Irritant

**Product Use:** Weighting Agent  
**TDG Classification:** Not regulated  
**Packaging Group:** Not applicable  
**PIN:** Not applicable

### SECTION II: HAZARDOUS INGREDIENTS

Ingredients	Percent	CAS Number	LD <sub>50</sub> (Species/Route)	LC <sub>50</sub> (Species/Route)
Barium sulfate	70-100	7727-43-7	Not available	Not available

Small amounts (less than reportable quantities) of respirable crystalline silica are present in this product.

### SECTION III: TOXICOLOGICAL PROPERTIES

**Route of entry:**  Skin  Eye Contact  Inhalation  Ingestion

**Effects of acute exposure:** May cause mechanical irritation to the eyes. May cause irritation to the upper respiratory tract.

**Effects of chronic exposure:** No information available

**Exposure limits:** ACGIH-TLV 10mg/m<sup>3</sup>

**Irritancy of product:** May cause irritation to eyes and upper respiratory tract

**Sensitization to product:** No information available

**Carcinogenicity:** No information available

**Reproductive toxicity:** No information available

**Teratogenicity:** No information available

**Mutagenicity:** No information available

**Name of toxicological synergistic products:** No information available



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## SECTION IV: FIRST AID MEASURES

**Skin contact:** If irritation occurs, or when shift ends, wash with soap and water until clean. If irritation persists, obtain medical attention.

**Eye contact:** Flush eyes with gently flowing warm water until particles are dislodged. If irritation persists, obtain medical attention.

**Inhalation:** Move to area free from dust. Apply oxygen or artificial respiration if required. If breathing difficulties or distress continues, obtain medical attention.

**Ingestion:** If fully conscious, give large quantity of water. Obtain medical attention. Never give anything by mouth if patient is unconscious, rapidly losing consciousness or convulsing.

## SECTION V: PHYSICAL DATA

**Physical state:** Powder, Solid

**Appearance and odour:** Brown to Grey-white powder; dirt/dust like odour

**Odour threshold:** Not applicable

**Specific gravity:** 4.2 - 4.4

**Vapor pressure (mmHG):** Not available

**Vapor density (Air=1):** Not available

**Evaporation rate:** Not applicable

**Boiling point (°C):** Not available

**Freeze/Melting point (°C):** 1580°C

**pH:** 7.0-9.5

**Co-efficient of water/oil distribution:** Insoluble in water



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## SECTION VI: FIRE AND EXPLOSION DATA

**Conditions of flammability:** Not flammable

**Means of extinguishing:** Use media suitable for packaging and surrounding fire.

**Flash point:** Not applicable

**Upper flammable limit:** Not applicable

**Lower flammable limit:** Not applicable

**Auto-ignition temperature:** Not applicable

**Hazardous combustion products:** Not applicable

**Explosion data-sensitivity to mechanical impact:** Not applicable

**Explosion data-sensitivity to static discharge:** Not applicable.

## SECTION VII: REACTIVITY DATA

**Chemically unstable (conditions):** Stable

**Product incompatible with:** None known

**Conditions of reactivity:** Not known

**Hazardous decomposition products:** None known



## SECTION VIII: PREVENTATIVE MEASURES

**Personal protective equipment:** approved dust mask required for dust levels below TLV. Use approved respirator with dust cartridges if airborne concentration exceeds TLV. Suggest goggles or safety glasses with side-shields be worn. Ensure eye wash station and emergency shower are available.

**Specific engineering controls:** Use local exhaust ventilation, process enclosure or other engineering controls to maintain concentration of airborne dust below TLV.

**Procedures for leak/spills:** Use appropriate safety equipment. Collect uncontaminated material for repackaging. Collect contaminated material in appropriate containers for disposal.

**Waste disposal:** Dispose in accordance with federal, provincial and local regulations. It is the responsibility of the end-user to determine if material meets the criteria of hazardous waste at the time of disposal.

**Handling procedures and equipment:** Avoid breathing dust. Practice reasonable caution and personal cleanliness. Launder contaminated clothing before reuse.

**Storage requirements:** Store in a cool dry area.

**Special shipping information:** Not applicable.

## SECTION IX: PREPARATION

**Date updated:** October 13, 2009

**Prepared by:** Product Safety Committee

All the recommendations and suggestions herein concerning this product are based upon tests and data believed to be reliable, however it is the user's responsibility to determine the safety, toxicity and sustainability for their own use of the product described herein. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by Q'Max Solutions Inc. as to the effects of such use, the results to be obtained, or the safety and toxicity of the product nor does Q'Max Solutions Inc. assume any liability arising out of use by others. Nor is the information herein to be considered as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.