



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 ₅₀ (Species/Route)	LC ₅₀ (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/m³

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: April 1, 2010

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.