

MATERIAL SAFETY DATA SHEET

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

Contains no WHMIS controlled ingredients

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: N/A

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

BARITE

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 and induce vomiting. Obtain medical attention. Never give anything by mouth to an unconscious or convulsing person.

SECTION V: PHYSICAL DATA

Physical state: Powder, Solid

Appearance and odour: 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

BARITE

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: None known

Hazardous decomposition products: None known

BARITE

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.

Storage requirements: Store in a cool dry area.

Special shipping information: Not applicable.

SECTION IX: PREPARATION

Date updated: January 3, 2007

Prepared by: Product Safety Committee