



MATERIAL SAFETY DATA SHEET

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GYPSUM

SECTION I: IDENTIFICATION OF PRODUCT

Product Name: GYPSUM

Chemical Family: Calcium Sulphate

WHMIS Classification: Not controlled

Workplace Hazard: Not applicable

Product Use: Calcium source

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)
Inorganic calcium salt (calcium sulphate)	70-100	7778-18-9	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: Prolonged contact may cause skin irritation. No toxic effects expected if ingested. Gypsum will absorb moisture and clumps may form and create blockages in the stomach. If inhaled Gypsum will absorb moisture quickly causing clumps in the nasal passages and upper respiratory tract.

Effects of chronic exposure: No information available

Exposure limits: Calcium Sulfate – 10 mg/m³ (ACGIH-TLV)

Irritancy of product: May cause irritation to skin and eyes

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



SECTION IV: FIRST AID MEASURES

Skin contact: Remove contaminated clothing and wash exposed area thoroughly with soap and water.

Eye contact: Flush with gently flowing warm water for 5 minutes or until irritation ceases. If irritation persists obtain medical attention.

Inhalation: Move to fresh air. Apply oxygen or artificial respiration as required. If breathing difficulties or distress continues obtain medical attention.

Ingestion: Do not induce vomiting. Rinse mouth with water. Have victim drink 8 to 10 oz of water to dilute material. If irritation, or discomfort occurs, obtain medical attention. Never give anything by mouth if patient is unconscious, rapidly losing consciousness or convulsing.

SECTION V: PHYSICAL DATA

Physical state: Solid

Appearance and odour: Light grey powder; odourless

Odour threshold: Not applicable

Specific gravity: 2.96

Vapor pressure (mmHG): Not available

Vapor density (Air=1): Not available

Evaporation rate: Not applicable

Boiling point (°C): Not applicable (decomposes)

Freeze/Melting point (°C): 1559

pH: Not available

Co-efficient of water/oil distribution: 0.262 g/100 mL



SECTION VI: FIRE AND EXPLOSION DATA

Conditions of flammability: Not flammable. Gypsum does not support combustion.

Means of extinguishing: Use extinguishing media suitable to surrounding media

Flash point: Not applicable

Upper flammable limit: Not determined

Lower flammable limit: Not determined

Auto-ignition temperature: Not applicable

Hazardous combustion products: Not applicable

Explosion data-sensitivity to mechanical impact: None known

Explosion data-sensitivity to static discharge: None known

SECTION VII: REACTIVITY DATA

Chemically unstable (conditions): Stable.

Product incompatible with: Reacts violently with aluminum when heated. Mixtures of calcium sulphate and phosphorus ignite at high temperatures.

Conditions of reactivity: Not available

Hazardous decomposition products: Thermal oxidative decomposition can produce toxic fumes of sulphur oxides.



SECTION VIII: PREVENTATIVE MEASURES

Personal protective equipment: Suggest NIOSH/MESA approved dust mask for levels of airborne dust below TLV. Use approved respirator with dust cartridges for levels of airborne dust greater than TLV. Suggest goggles; nuisance dust. Ensure emergency eye wash station and safety shower are available.

Specific engineering controls: Use in well ventilated area. Use local exhaust ventilation, process enclosure or other engineering controls to maintain dust levels below TLV.

Procedures for leak/spills: Use appropriate safety equipment. Vacuum or sweep-up. Avoid creating dust on cleanup. Collect contaminated material in approved containers for disposal. Collect uncontaminated material for repackaging. Flush spill area with water.

Waste disposal: Dispose in accordance with federal, provincial and local regulations. This material is suitable for landfills in many locations: Check with local operator. It is the responsibility of the end-user to determine if material meets the criteria of hazardous waste at the time of disposal. Empty packages must be disposed of, or recycled, in accordance with local regulations.

Handling procedures and equipment: Avoid ingestion. Practice reasonable caution and personal cleanliness. Wash thoroughly after handling, at breaks and before going off shift. Launder contaminated clothing before reuse.

Storage requirements: Store in a cool, dry area away from incompatibles.

Special shipping information: Not applicable

SECTION IX: PREPARATION

Date updated: January 25, 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.