



MATERIAL SAFETY DATA SHEET

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ALKAPAM A-1103

SECTION I: IDENTIFICATION OF PRODUCT

Product Name: ALKAPAM A-1103
Chemical Family: Anionic water soluble polymer
WHMIS Classification: Not controlled
Workplace Hazard: Treat as a nuisance dust.

Product Use: Dewatering Polymer
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)
	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. No adverse effects expected if ingested. Product may swell in throat causing choking. Dust may cause upper respiratory tract irritation.

Effects of chronic exposure: Prolonged contact with skin may cause slight irritation or dermatitis in some individuals.

Exposure limits: Not applicable

Irritancy of product: Not applicable

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: Immediately wash with plenty of soap and water. If irritation persists obtain medical attention. Remove contaminated clothing and shoes and clean before reuse.

Eye contact: Flush eyes with gently flowing warm water until particle(s) are removed. If irritation persists, obtain medical attention.

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

Ingestion: Do not induce vomiting. Dilute by giving two glasses of water. Obtain medical attention. Never give anything by mouth to an unconscious or convulsing person.

SECTION V: PHYSICAL DATA

Physical state: Granular solid

Appearance and odour: White granular solid, slight odour

Odour threshold: Not applicable

Specific gravity (°C): Not determined

Vapor pressure (mmHG): Not determined

Vapor density (Air=1): Not determined

Evaporation rate: Not determined

Boiling point (°C): Not determined

Freeze/Melting point (°C): Not determined

pH (%): 4-9 @ 5 g/L

Co-efficient of water/oil distribution: Not applicable



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SECTION VI: FIRE AND EXPLOSION DATA

Conditions of flammability: Will burn under fire conditions. If dusted this product may be an explosion hazard.

Means of extinguishing: Dry chemical, foam, CO₂, alcohol foam, universal foam, and water spray.

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: Avoid contact with strong oxidizing agents. Avoid dusting conditions in presence of ignition sources.

Conditions of reactivity: Avoid dusting conditions in presence of ignition sources.

Hazardous decomposition products: Oxides of nitrogen and oxides of carbon on combustion.



SECTION VIII: PREVENTATIVE MEASURES

Personal protective equipment: Suggest NIOSH/MESA approved dust mask. Use approved respirator with dust cartridge if TLV is exceeded. Suggest plastic or rubber gloves. Safety glasses or goggles should be worn when handling this material. Suggest rubber apron.

Specific engineering controls: Use local exhaust, process enclosure or other engineering controls to maintain dust level below TLV. Ensure eyewash station and emergency shower are available.

Procedures for leak/spills: Use appropriate safety equipment. Eliminate ignition sources. Sweep up and place in an appropriate closed container. Collect uncontaminated material for repackaging. Collect contaminated material in approved containers for disposal. Clean up residual material by washing area with water.

Waste disposal: Dispose/incinerate in accordance with federal, provincial and local regulations. This product may be suitable for disposal by land fill; 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.

Handling procedures and equipment: Avoid breathing dusts. Avoid direct or prolonged contact with skin and eyes. Use non sparking tools and ground/bonded equipment and containers when transferring. Avoid creating dusts, as this product is pyrophoric in powder form. Any containers or equipment used should be decontaminated immediately after use.

Storage requirements: Store in a cool, dry area away from oxidizers and ignition sources.

Special shipping information: Not applicable

SECTION IX: PREPARATION

Date updated: June 27, 2007

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.