



MATERIAL SAFETY DATA SHEET

#1700, 407 2ND STREET S.W., CALGARY, ALBERTA T2P 2Y3
TELEPHONE: (403) 269-2242 FAX: (403) 269-2251
1-613-996-6666 – CANUTEC – Transportation Emergency
1-888-243-9771 – ChExSS – Chemical Exposure

KELZAN XCD

SECTION I: IDENTIFICATION OF PRODUCT

Product Name: KELZAN XCD
Chemical Family: Polysaccharide gum
WHMIS Classification: Not controlled
Workplace Hazard: Treat as nuisance dust
Product Use: Viscosifier

TDG Classification: Not regulated
Packaging Group: Not applicable
PIN: Not applicable
CAS#: 11138-66-2

SECTION II: HAZARDOUS INGREDIENTS

Ingredients	Percent	CAS Number	LD ₅₀ (Rat/Oral)	LC ₅₀ (Species/Route)
Contains no WHMIS controlled products				

SECTION III: TOXICOLOGICAL PROPERTIES

Route of entry: Skin Eye Contact Inhalation Ingestion

Effects of acute exposure: May cause skin irritation. Prolonged contact with skin may cause drying or chapping. No skin allergy observed in guinea pig following repeated skin exposure. No adverse health effects expected if ingested. LD50 (oral, rat) > 5000 mg/kg. No adverse effects observed in long-term feeding studies with rats (up to 1000 mg/kg/day). Excessive inhalation of dust may cause mild irritation, coughing and/or sneezing. Hygroscopic properties of the gum can form a paste or gel in the airway.

Effects of chronic exposure: No information available

Exposure limits: No information available

Irritancy of product: Skin, respiratory tract

Sensitization to product: Product contains an ingredient, glyoxal, at less than 1% which may cause sensitization of susceptible persons.

Carcinogenicity: No information available

Reproductive toxicity: No adverse effects were observed in a 3 generation reproduction study with rats (up to 500 mg/kg/day).

Teratogenicity: No information available

Mutagenicity: No information available

Name of toxicological synergistic products: No information available



SECTION IV: FIRST AID MEASURES

Skin contact: Wash with soap and water. If irritation develops, obtain medical attention.

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

Inhalation: Rinse out mouth and give one to two glasses of water to dilute material. Obtain medical attention. Never give anything by mouth if patient is unconscious, rapidly losing consciousness or convulsing.

Ingestion: Rinse out mouth and give one to two glasses of water to dilute material. 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: White to tan powder; odourless

Odour threshold: Not available

Specific gravity: Not available

Vapor pressure (mmHG): Not available

Vapor density (Air=1): Not available

Evaporation rate: Not available

Boiling point (°C): Not available

Freeze/Melting point (°C): Not available

pH: ~ 7 (1% solution)

Co-efficient of water/oil distribution: Soluble



SECTION VI: FIRE AND EXPLOSION DATA

Conditions of flammability: Dust clouds in air can create explosive mixtures in the presence of an ignition sources.

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

Flash point: Not applicable

Upper flammable limit: Not applicable

Lower flammable limit: Not applicable

Auto-ignition temperature: Not applicable

Hazardous combustion products: None known

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: Strong oxidizers. Avoid creating dust clouds.

Conditions of reactivity: Strong oxidizing agents.

Hazardous decomposition products: Strong oxidizing agents.



SECTION VIII: PREVENTATIVE MEASURES

Personal protective equipment: Dust masks recommended. Use an approved respirator with dust cartridges if level of airborne dust exceeds TLV. Suggest impervious gloves. Safety glasses with side-shields or goggles for dusty environments. Ensure eyewash station and emergency shower are available.

Specific engineering controls: General mechanical sufficient for normal conditions. Use local exhaust ventilation, process enclosure or other engineering controls to maintain level of airborne dust below TLV.

Procedures for leak/spills: Use appropriate safety equipment. Avoid creating dust. Sweep up or vacuum to collect spilled material. Use non-sparking tools and/or equipment designed for combustible dust. Collect uncontaminated material for repackaging. Collect contaminated material in approved container(s) for disposal. Wet material will be extremely slippery.

Waste disposal: Dispose/landfill in accordance with all federal, provincial and local regulations. Uncontaminated material can be landfilled in most 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.

Handling procedures and equipment: Avoid skin and eye contact. Wash thoroughly after handling. Keep container closed. Launder contaminated clothing before reuse. Use in ventilated area.

Storage requirements: To maintain best product performances, store in a cool, dry place. Product is slippery when wet. Keep away from heat, sparks and open flames.

Special shipping information: Not applicable

SECTION IX: PREPARATION

Date updated: February 17, 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.