



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

CHEMBREAK EBS

SECTION I: IDENTIFICATION OF PRODUCT

Product Name: CHEMBREAK EBS
Chemical Family: Enzymes and acid blend
WHMIS Classification: D2B
Workplace Hazard: Skin and eye irritant

Product Use: Polymer breaker
TDG Classification: Not regulated
Packaging Group: Not applicable
PIN: Not applicable

SECTION II: HAZARDOUS INGREDIENTS

Ingredients	Percent	CAS Number	LD ₅₀ (Rat/Oral)	LC ₅₀ (Species/Route)
Citric Acid	30-60	77-92-9	3000 mg/kg	Not determined-

SECTION III: TOXICOLOGICAL PROPERTIES

Route of entry: Skin Eye Contact Inhalation Ingestion

Effects of acute exposure: May cause irritation to the skin, can cause redness and itchiness. May cause irritation to the eyes. Product may also be abrasive to the eye. Causes irritation to the gastrointestinal tract. Symptoms may include nausea, vomiting and diarrhea. Extremely large oral dosages may produce gastrointestinal disturbances, and dental erosion. Dust may irritate the nose and throat. Inhalation may cause irritation of the mucous membranes. Symptoms may include coughing, and shortness of breath.

Effects of chronic exposure: Not determined

Exposure limits: Not determined

Irritancy of product: eyes, skin and respiratory tract.

Sensitization to product: Not determined

Carcinogenicity: Not determined

Reproductive toxicity: Not determined

Teratogenicity: Not determined

Mutagenicity: Not determined

Name of toxicological synergistic products: Not determined



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SECTION IV: FIRST AID MEASURES

Skin contact: Flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse.

Eye contact: Immediately flush with running water for 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eye and lids. Get immediate medical attention.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: Do not induce vomiting. If conscious, give lots of water. Get immediate medical attention.

SECTION V: PHYSICAL DATA

Physical state: Solid

Appearance and odour: White powder, odourless

Odour threshold: Not applicable

Specific gravity: 1.6

Vapor pressure (mmHG): Not applicable

Vapor density (Air=1): Not applicable

Evaporation rate: Not applicable

Boiling point (°C): Not applicable

Freeze/Melting point (°C): Not applicable

pH: Not determined

Co-efficient of water/oil distribution: Soluble in water



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SECTION VI: FIRE AND EXPLOSION DATA

Conditions of flammability: Not flammable

Means of extinguishing: Water, dry chemical, foam

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: None known

Explosion data-sensitivity to static discharge: None known

SECTION VII: REACTIVITY DATA

Chemically unstable (conditions): Stable

Product incompatible with: Alkali, metals, organic acids, oxides of sulphur and strong bases

Conditions of reactivity: Not known

Hazardous decomposition products: CO_x



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SECTION VIII: PREVENTATIVE MEASURES

Personal protective equipment: Suggest NIOSH approved dust mask, chemical resistant protective gloves and safety glasses.

Specific engineering controls: General mechanical ventilation.

Procedures for leak/spills: Wear protective equipment. For small spills, sweep up and dispose of in approved waste containers. For large spills, shovel into approved waste containers. Keep out of sewers, storm drains, surface waters and soil.

Waste disposal: Dispose of contaminated product and materials used in cleaning up spills or leaks in a manner approved for this material. Consult appropriate federal, state and local regulatory agencies to ascertain proper disposal procedures.

Handling procedures and equipment: Wash thoroughly after handling. Do not get in eyes, on skin, or on clothing. Do not cut, grind, weld, or drill on or near this container. Containers, even those that have been emptied, will retain product residue, always obey hazard warnings and handle empty containers as if they were full.

Storage requirements: Dispose of contaminated product and materials used in cleaning up spills or leaks in a manner approved for this material. Consult appropriate federal, state and local regulatory agencies to ascertain proper disposal procedures.

Special shipping information: Not applicable.

SECTION IX: PREPARATION

Date updated: May 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.