



MATERIAL SAFETY DATA SHEET

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CHEM BREAK HC

SECTION I: IDENTIFICATION OF PRODUCT

Product Name: CHEM BREAK HC
Chemical Family: Oxidizing agent
WHMIS Classification: C;E
Workplace Hazard: Strong Oxidizer and Corrosive

Product Use: Polymer breaker
TDG Classification: 5.1, (9.2)
Packaging Group: II
PIN: UN1748

SECTION II: HAZARDOUS INGREDIENTS

Ingredients	Percent	CAS Number	LD ₅₀ (Rat/Oral)	LC ₅₀ (Rat/Inhalation)
Calcium Hypochlorite	40-70	7778-54-3	850 mg/kg	Not Determined

SECTION III: TOXICOLOGICAL PROPERTIES

Route of entry: Skin Eye Contact Inhalation Ingestion

Effects of acute exposure: Dusts or solids are extremely corrosive to the mouth and throat. Swallowing dusts or solids causes burning of the mouth, throat and digestive tract accompanied by severe pain, vomiting and collapse. Large doses may be fatal. Dusts are corrosive to the entire respiratory tract. Breathing dust can damage the mucous membranes. Fumes liberated during decomposition or upon contact with acids or water are corrosive to the respiratory tract and can cause confusion, pulmonary edema and collapse. Dusts or fumes are extremely corrosive to the eyes.

Effects of chronic exposure: Not available

Exposure limits: Not available

Irritancy of product: May be irritating to skin, eyes, lungs and mucous membranes.

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: Immediately flush skin with large quantities of running water for 15 minutes. Remove contaminated clothing and shoes, wash before reuse. Get immediate medical attention.

Eye contact: Immediately flush with running water for 15 minutes, lifting the upper and lower eyelids occasionally. Get immediate medical attention.

Inhalation: Move victim to fresh air. Administer Oxygen if breathing is difficult. If victim not breathing, give mouth to mouth resuscitation – WARNING – possible inhalation of toxic material can be hazardous when giving mouth to mouth. Seek immediate medical attention.

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

SECTION V: PHYSICAL DATA

Physical state: Solid, powder

Appearance and odour: White granular powder; chlorine odour.

Odour threshold: Not available

Specific gravity: 2.35

Vapor pressure (mmHG): Not determined

Vapor density (Air=1): Not determined

Evaporation rate: Not determined

Boiling point (°C): Not available

Freeze/Melting point (°C): Not available

pH: 11.5 (1% solution)

Co-efficient of water/oil distribution: Not available



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SECTION VI: FIRE AND EXPLOSION DATA

Conditions of flammability: None combustible

Means of extinguishing: Flooding quantities of water, DO NOT use water jet. Caution: Wet material will release corrosive chlorine gas.

Flash point: Not applicable

Upper flammable limit: Not applicable

Lower flammable limit: Not applicable

Auto-ignition temperature: Not applicable

Hazardous combustion products: Calcium hypochlorite is not combustible however contamination or mixing with any foreign material, acids or acid fumes may result in explosion or fire of great intensity. Highly toxic and corrosive fumes may be produced under fire conditions.

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: Acids, reducing agents, combustible materials such as wood, cloth or organic materials, metals such as iron and copper and their alloys, water or steam.

Conditions of reactivity: Not known

Hazardous decomposition products: Toxic and corrosive fumes of chlorine gas are emitted during decomposition or upon exposure to acids or water.



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SECTION VIII: PREVENTATIVE MEASURES

Personal protective equipment: Suggest NIOSH/MESA approved dust mask, rubber gloves, safety goggles and rubber apron.

Specific engineering controls: 10 changes per hour suggested. General mechanical.

Procedures for leak/spills: Wear protective equipment. For small spills, sweep up and dispose of in DOT approved waste containers. For large spills, shovel into DOT 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: Store in a cool, dry, well-ventilated place away from incompatible materials. Keep bags or fiber drums dry at all times.

Special shipping information: No special requirements.

SECTION IX: PREPARATION

Date updated: January, 2008

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.