



I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 57459

PRODUCT NAME: **BRELTAK**

USE: Defoamed powdered caustic detergent for hard water

SUPPLIER:

JohnsonDiversey Canada, Inc.
2401 Bristol Circle
Oakville Ontario, L6H 6P1, Canada

EMERGENCY PHONE:

1-800-668-7171

WHMIS CLASSIFICATION: E

CHEMICAL FAMILY: alkali

TRADE NAME / SYNONYMS: not applicable

CHEMICAL NAME: not applicable

II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Sodium hydroxide	60-100	001310-73-2	LDLo 500 mg/kg	oral/rab
Modified polyethoxylate	1-5	not available	LD50 >2330 mg/kg	oral/rat
Sodium carbonate	1-5	000497-19-8	LD50 4090 mg/kg	oral/rat

III - HANDLING AND DISPOSAL PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT:

Gloves: Natural Rubber or Neoprene

Eye: Safety goggles

Footwear: As required

Respiratory: NIOSH approved dust mask

Other: Rubber apron

SPECIAL HANDLING PROCEDURES AND EQUIPMENT:

Avoid breathing dust. Rapid mixing of this product with water generates heat and dangerous boiling can result. Always add this product to cold water slowly and with good mixing.

VENTILATION REQUIREMENTS: mechanical exhaust.

INCOMPATIBILITY (Material to Avoid): Strong mineral acids, aluminum and other soft metals.

SPILL PROCEDURES: Sweep or scoop up material for disposal. Wash spill area with large volumes of water.

WASTE DISPOSAL: Dispose according to municipal, provincial, and federal regulations.

STORAGE / SHIPPING REQUIREMENT: Store in a cool dry area in a closed container. UN1823

IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: White to off white granular powder

S.G. / BULK DENSITY(g/cc): 1.17

pH: not available

VAPOUR PRESSURE (mmHg): not applicable

VAPOUR DENSITY (air=1): not applicable

ODOUR THRESHOLD: not applicable

BOILING POINT: not applicable

FREEZING POINT: not applicable

PERCENT VOLATILE: not applicable

SOLUBILITY IN WATER: soluble

EVAPORATION RATE (water=1): not applicable

V - TOXICOLOGICAL PROPERTIES

EFFECTS OF ACUTE EXPOSURE TO MATERIAL:

EYES: Corrosive. May cause severe irritation. May cause permanent damage if not treated promptly.

SKIN: Corrosive. May cause severe irritation. May cause temporary or permanent damage if not treated promptly.

INGESTION: Corrosive. May cause severe irritation of the digestive tract. May cause temporary or permanent damage if not treated promptly.

INHALATION: Corrosive.. Breathing dust may cause respiratory irritation.

LD50 (calculated): 566 mg/kg		LC50 (calculated): Not available	
OTHER TOXIC EFFECTS: TLV-CL (sodium hydroxide) 2 mg/m3			
EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: Not available.			
VI - FIRST AID MEASURES			
EYES:	Flush eyes with plenty of water for at least 15 minutes. Hold eyelids open while rinsing. Contact a physician immediately.		
SKIN:	Flush affected area thoroughly with water. If irritation develops, contact a physician.		
INGESTION:	Drink large volumes of water . Never give anything by mouth to an unconscious patient. Do not induce vomiting. Contact a physician immediately.		
INHALATION:	Remove patient to fresh air. Get medical attention for any breathing difficulty.		
VII - FIRE AND EXPLOSION DATA			
FLAMMABLE: No			
FLASH POINT, °C: not applicable.		AUTO IGNITION TEMPERATURE, °C: N/Av	
EXTINGUISHING MEDIA: Water [x] Dry Chemical [x] Carbon Dioxide [x] Foam [x] Other []			
SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus.			
HAZARDOUS COMBUSTION PRODUCTS: Oxides of Carbon.			
EXPLOSIVE SENSITIVITY TO: not applicable			
VIII - REACTIVITY DATA			
STABILITY: Stable [x] Unstable []			
CONDITIONS TO AVOID: High humidity			
INCOMPATIBILITY (Material to Avoid) : Acids, aluminum and other soft metals.			
HAZARDOUS DECOMPOSITION PRODUCTS: Contact with acids will generate heat. Contact with soft metals forms flammable hydrogen gas.			
REACTIVITY: Not dangerously reactive			
IX - MSDS PREPARATION			
SOURCES USED: RTECS		PREPARED BY: JohnsonDiversey Canada, Inc. Regulatory Department Food Division Phone (905) 829-1200	
PREPARATION DATE: April 15, 2003			
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