



BJ SERVICES COMPANY
MATERIAL SAFETY DATA SHEET

Region
USA

SECTION I - GENERAL INFORMATION

PRODUCT NAME: **GBW-20C**
ITEM NUMBER: 488333, 488340
CHEMICAL DESCRIPTION: Hemicellulase breaker
PRODUCT USE: Breaker - Water
SUPPLIER: BJ Services Company
ADDRESS: 11211 FM 2920
Tomball, TX 77375
**EMERGENCY TELEPHONE NUMBER (800)424-9300 for CHEMTREC
(703)527-3887 for International**
PREPARED BY: BJ Services Environmental Group
(281)351-8131
DATE PREPARED: May 26, 2004
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HMIS HAZARD INDEX

HEALTH: 1
FLAMMABILITY: 1
REACTIVITY: 0
PERSONAL PROTECTION: b

SECTION II - HAZARDOUS COMPONENTS

| HAZARDOUS COMPONENTS | CAS # | PERCENT | HAZARD |
|--------------------------|-------|---------|--------|
| No hazardous ingredients | N.A. | N.A. | N.A. |

SECTION III - FIRE AND EXPLOSION HAZARD DATA

FLASHPOINT (METHOD): > 200°F
UPPER EXPLOSION LIMIT(% BY VOL): N.E.
LOWER EXPLOSION LIMIT(% BY VOL): N.E.
AUTO-IGNITION TEMPERATURE: N.E.
EXTINGUISHING MEDIA: Foam, dry chemicals, carbon dioxide, water spray.
SPECIAL FIRE FIGHTING PROCEDURES: None
EXPLOSION DATA: N.A.
HAZARDOUS COMBUSTION PRODUCTS: N.E.

SECTION IV - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: Eye contact, inhalation

ACUTE OVEREXPOSURE EFFECTS:

SKIN CONTACT: Product is not irritating to skin. However, it is recommended that

SKIN ABSORPTION: prolonged contact with skin be avoided.
Not known to occur.
EYE CONTACT: Product is not known to cause eye irritation. However, it is recommended that direct contact with eyes be avoided.
INHALATION: May cause sensitization by inhalation in hypersensitive individuals.
INGESTION: Ingestion of material is not known to result in significant adverse health effects.

CHRONIC OVEREXPOSURE EFFECTS: None listed

EXPOSURE LIMITS:

| HAZARDOUS COMPONENT | ACGIH TLV | OSHA PEL |
|--------------------------|-----------|----------|
| No hazardous ingredients | N.E. | N.E. |

CARCINOGENICITY, REPRODUCTIVE EFFECTS:
Not listed as carcinogen- IARC, NTP, or OSHA

TERATOGENICITY, MUTAGENICITY:
No effects listed.

TOXICITY STUDIES:
LD(50) > 2g/kg (rat)
LC(50) N.E.

SECTION V - FIRST AID PROCEDURES

FOR EYES: In case of contact with eyes, flush eyes with low pressure water for at least 15 minutes. If irritation develops, seek medical attention.
FOR SKIN: In case of contact with skin, wash with soap and water. Remove contaminated clothes and wash before reuse.
FOR INHALATION: If inhaled remove from contaminated area to fresh air. Report situation. Seek medical attention if allergic response is exhibited.
FOR INGESTION: If swallowed, rinse mouth and throat thoroughly with tap water. Drink water.

SECTION VI - PHYSICAL DATA

APPEARANCE AND ODOR: Clear to dark brown liquid with typical fermentation odor
SPECIFIC GRAVITY: 1.05 – 1.3
VAPOR PRESSURE: As water @ 20°C
VAPOR DENSITY (air=1): 0.62
EVAPORATION RATE: As water (butyl acetate = 1)
BOILING POINT: 100 – 105°C @ 760 mmHg
FREEZING POINT: N.E.
SOLUBILITY IN H2O: Complete
pH: 3.8 – 9.0 (1% sol.)

SECTION VII - REACTIVITY DATA

CHEMICAL STABILITY: Stable
INCOMPATIBLE MATERIALS: N.E.
HAZARDOUS POLYMERIZATION: Does not polymerize

HAZARDOUS DECOMPOSITION PRODUCTS: None

SECTION VIII - SPECIAL/PERSONAL PROTECTION

VENTILATION: The use of mechanical ventilation is recommended whenever this product is used in a confined space. Where engineering controls are not feasible, assure use is in an area where there is natural air movement.

RESPIRATORY PROTECTION: None required under normal conditions of use. However, if exposure potential exists, refer to NIOSH Criteria Guides to determine appropriate unit.

PROTECTIVE GLOVES: Impermeable

EYE PROTECTION: Safety glasses with side shields

OTHER PROTECTIVE EQUIPMENT: Eyewash bottles or other rinsing equipment should be easily accessible.

SECTION IX - HANDLING PRECAUTIONS

LEAK AND SPILL PROCEDURES: Dike or contain spill to prevent material from entering waterways. Pump large spills into salvage containers while avoiding formation of aerosols. Soak up residue or small spills with absorbent pads, clay, or dirt and place in salvage containers. Avoid formation of dust from dried product. Product is readily biodegradable.

WASTE DISPOSAL: If this product becomes a waste it does not meet the requirements of a RCRA hazardous waste. Always dispose of according to all local/state/and federal regulations.

HANDLING & SPECIAL EQUIPMENT: Avoid splashing and high pressure washing.

STORAGE REQUIREMENTS: Store container in a dry cool place.

SECTION X - REGULATORY INFORMATION

SHIPPING INFORMATION

PROPER SHIPPING NAME: Not DOT Regulated

HAZARD CLASS: N.A.

UN/NA NUMBER: N.A.

PACKING GROUP W/ "PG": N.A.

SUBSIDIARY RISK: N.A.

REPORTABLE QUANTITY (RQ): N.A.

EMERGENCY RESPONSE GUIDE #: N.A.

ENVIRONMENTAL INFORMATION

SARA TITLE III

SECTION 302/304 This product does not contain ingredients listed as a Hazardous or Extremely Hazardous Substance.

SECTION 311/312 None

SECTION 313 This product does not contain ingredients (at a level of 1% or greater) on the List of Toxic Chemicals.

OTHER REGULATORY INFORMATION

TSCA INVENTORY:

All of the components in this product appear on the TSCA inventory.

CALIFORNIA PROP 65:

None of the chemicals on the current Proposition 65 list are known to be present in this product.

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.
