



BJ SERVICES COMPANY
MATERIAL SAFETY DATA SHEET

Region
USA

SECTION I - GENERAL INFORMATION

PRODUCT NAME: **BF-7L**
ITEM NUMBER : 488007, 425142, 411109
CHEMICAL DESCRIPTION: Potassium carbonate solution
PRODUCT USE: High pH Buffer
SUPPLIER: BJ Services Company
ADDRESS: 11211 FM 2920
Tomball, TX 77375
**EMERGENCY TELEPHONE NUMBER (800)424-9300 for CHEMTREC
(703)527-3887 Alaska and International**
PREPARED BY: BJ Services Environmental Group
(281)351-8131
DATE PREPARED: September 25, 2003
Supersedes: August 4, 2000

HMIS HAZARD INDEX
HEALTH: 2
FLAMMABILITY: 0
REACTIVITY: 0
PERSONAL PROTECTION: g

SECTION II - HAZARDOUS COMPONENTS

HAZARDOUS COMPONENTS	CAS #	PERCENT	HAZARD
Potassium carbonate	584-08-7	40 - 50	Irritant

SECTION III - FIRE AND EXPLOSION HAZARD DATA

FLASHPOINT (METHOD): N.A.
UPPER EXPLOSION LIMIT(% BY VOL): N.A.
LOWER EXPLOSION LIMIT(% BY VOL): N.A.
AUTO-IGNITION TEMPERATURE: N.A.
EXTINGUISHING MEDIA: Material does not burn. Use appropriate media for surrounding fire
SPECIAL FIRE FIGHTING PROCEDURES: Use a self-contained breathing apparatus with full facepiece operated in pressure-demand or other positive pressure mode. Cool fire-exposed containers using water spray.
EXPLOSION DATA: None
HAZARDOUS COMBUSTION PRODUCTS: N.A.

SECTION IV - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: Skin and eye contact

ACUTE OVEREXPOSURE EFFECTS:

SKIN CONTACT: No irritation is likely after brief contact but may be irritating after prolonged contact.
SKIN ABSORPTION: Not absorbed by skin.
EYE CONTACT: Prolonged contact may damage the eyes.
INHALATION: None currently known.
INGESTION: Alkaline irritant to mouth, throat, esophagus, stomach.

CHRONIC OVEREXPOSURE EFFECTS: No specific information available.

EXPOSURE LIMITS:

HAZARDOUS COMPONENT	ACGIH TLV	OSHA PEL
Potassium carbonate	N.E.	N.E.

CARCINOGENICITY, REPRODUCTIVE EFFECTS:

Not listed as carcinogen - IARC, NTP, or OSHA

TERATOGENICITY, MUTAGENICITY:

No effects listed.

TOXICITY STUDIES:

LD(50) 1870 mg/kg (oral rat)
LC(50) N.E.

SECTION V - FIRST AID PROCEDURES

FOR EYES: Immediately flush eyes with lots of running water for 15 minutes, lifting the upper and lower eyelids occasionally. Get immediate medical attention.
FOR SKIN: Immediately flush skin with running water for 15 minutes. Remove contaminated clothing and shoes; wash before wearing. Get medical attention.
FOR INHALATION: Remove to fresh air. If breathing has stopped, give artificial respiration. Keep person warm, quiet and get medical attention.
FOR INGESTION: Give plenty of water or fruit juice. DO NOT induce vomiting. Get medical attention.

SECTION VI - PHYSICAL DATA

APPEARANCE AND ODOR: Clear liquid, no odor
SPECIFIC GRAVITY: 1.4
VAPOR PRESSURE: < 15
VAPOR DENSITY (air=1): N.E.
EVAPORATION RATE: Same as water
BOILING POINT: 234°F
FREEZING POINT: N.E.
SOLUBILITY IN H2O: Complete
pH: > 13

SECTION VII - REACTIVITY DATA

CHEMICAL STABILITY:	Stable
INCOMPATIBLE MATERIALS:	Acids will cause formation of carbon dioxide
HAZARDOUS POLYMERIZATION:	Does not polymerize
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon dioxide

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:	Not required
PROTECTIVE GLOVES:	Rubber or neoprene
EYE PROTECTION:	Goggles
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. Soak up residue or small spills with absorbent pads, clay, or dirt and place in salvage containers. Residue may be neutralized with dilute acid before absorbent is used.
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 laws and regulations.
HANDLING & SPECIAL EQUIPMENT:	Do not get in eyes, on skin, or on clothing.
STORAGE REQUIREMENTS:	Store in a cool, dry, well-ventilated 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 an Extremely Hazardous Substance.
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SECTION 311/312
SECTION 313

Immediate
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 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.