



BJ SERVICES COMPANY
MATERIAL SAFETY DATA SHEET

Region
USA

SECTION I - GENERAL INFORMATION

PRODUCT NAME: **FL-25**
ITEM NUMBER : 488167
CHEMICAL DESCRIPTION: Blend
PRODUCT USE: Cement fluid loss
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: August 31, 2000 Supersedes: January 9, 1997

HMIS HAZARD INDEX

HEALTH: 2
FLAMMABILITY: 1
REACTIVITY: 0
PERSONAL PROTECTION: h

SECTION II - HAZARDOUS COMPONENTS

HAZARDOUS COMPONENTS	CAS #	PERCENT	HAZARD
Trade secret	Proprietary	60	Irritant
Hydroxyethyl cellulose	N.A.	40	Irritant

SECTION III - FIRE AND EXPLOSION HAZARD DATA

FLASHPOINT (METHOD): >200°F (PMCC)
UPPER EXPLOSION LIMIT(% BY VOL): N.E.
LOWER EXPLOSION LIMIT(% BY VOL): N.E.
AUTO-IGNITION TEMPERATURE: N.E.
EXTINGUISHING MEDIA: Dry chemical, CO2, or water spray
SPECIAL FIRE FIGHTING PROCEDURES: Cool exposed containers with water spray.
Self-contained breathing apparatus in confined areas.
EXPLOSION DATA: Fine powder may present dust explosion hazards.
HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide, carbon monoxide and oxides of nitrogen
and sulfur. May emit toxic fumes under fire conditions.

SECTION IV - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: Skin and eye contact, inhalation, ingestion

ACUTE OVEREXPOSURE EFFECTS:

SKIN CONTACT: May cause irritation, especially on prolonged contact.
SKIN ABSORPTION: Not known to be absorbed through the skin.
EYE CONTACT: Causes irritation, possibly severe.
INHALATION: Dust may cause respiratory tract irritation.
INGESTION: May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

CHRONIC OVEREXPOSURE EFFECTS: May aggravate existing skin, eye and lung conditions.

EXPOSURE LIMITS:

HAZARDOUS COMPONENT	ACGIH TLV	OSHA PEL
Trade secret	15 mg/m3 (dust)	15 mg/m3 (dust)
Hydroxyethyl cellulose	15 mg/kg	15 mg/kg

CARCINOGENICITY, REPRODUCTIVE EFFECTS:

Not listed as carcinogen - IARC, NTP, or OSHA

TERATOGENICITY, MUTAGENICITY:

No effects listed.

TOXICITY STUDIES:

LD(50) N.E.
LC(50) N.E.

SECTION V - FIRST AID PROCEDURES

FOR EYES: Immediately flush with plenty of water for at least 15 minutes, holding eyelids apart to ensure flushing of the entire surface. Washing within one minute is essential to achieve maximum effectiveness. Seek medical attention.

FOR SKIN: Flush skin with water or wash with mild soap and water if available. If irritation persists, contact a physician.

FOR INHALATION: Remove to fresh air. If breathing is labored, give oxygen. If breathing has stopped, give artificial respiration. Keep person warm, quiet and get medical attention.

FOR INGESTION: Do NOT induce vomiting. If vomiting occurs spontaneously, keep airway clear. Get medical attention. Never give anything by mouth to an unconscious person.

SECTION VI - PHYSICAL DATA

APPEARANCE AND ODOR: Light slightly yellow to tan powder, bland odor
SPECIFIC GRAVITY: N.E.
VAPOR PRESSURE: N.A.
VAPOR DENSITY (air=1): N.A.
EVAPORATION RATE: N.A.
BOILING POINT: N.A.

FREEZING POINT: N.A.
SOLUBILITY IN H2O: Complete
pH: N.E.

SECTION VII - REACTIVITY DATA

CHEMICAL STABILITY: Stable
INCOMPATIBLE MATERIALS: Strong oxidizing agents and strong acids
HAZARDOUS POLYMERIZATION: Does not polymerize
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide and oxides of nitrogen and sulfur.

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: Dust respirator if necessary
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: Sweep up and place in suitable containers for reuse or disposal.
WASTE DISPOSAL: If this product becomes 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: Avoid contact with eyes, skin, and clothing. Avoid breathing dust. Wash thoroughly after handling. Observe all necessary precautions for handling powders as fine powder may present explosion hazard.
STORAGE REQUIREMENTS: Store in a cool, dry place. Store in a well-ventilated area.

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.
SECTION 311/312	Immediate
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 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.