



# BJ SERVICES COMPANY MATERIAL SAFETY DATA SHEET

Region  
USA

## 1 PRODUCT AND COMPANY IDENTIFICATION

Product Name: **FL-52**  
Item Number: 488015  
Product Use: Fluid loss control  
Supplier: BJ Services Company  
11211 FM 2920  
Tomball, Texas 77375  
(281)351-8131

**IN CASE OF EMERGENCY CALL: (800) 424-9300 for  
CHEMTREC  
(703) 527-3887 for  
International**

### HMIS HAZARD INDEX

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

## 2 COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Component	CAS#	Percent	Hazard
Hydroxyethyl cellulose	009004-62-0	60-100	Irritant
Sodium acetate	000127-09-3	5-10	
Cellulose	009004-34-6	1-5	

## 3 HAZARDS IDENTIFICATION

**PRIMARY ROUTES OF EXPOSURE:** Inhalation. Skin contact. Eye contact.

### ACUTE OVEREXPOSURE EFFECTS:

**INHALATION:** Inhalation of dust may cause respiratory tract irritation.

**INGESTION:** Not a likely exposure route.

**EYE CONTACT:** Dust may cause mild to moderate eye irritation.

**SKIN CONTACT:** May cause skin irritation.

### EXPOSURE LIMITS:

HAZARDOUS COMPONENT	ACGIH TLV	OSHA PEL	LC50 (inhalation)	LD50 (oral)
Hydroxyethyl cellulose	10 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	NA	NA
Sodium acetate	NA	NA	NA	3530 mg/kg rat
Cellulose	10 mg/m <sup>3</sup>	NA	NA	NA

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## **4 FIRST AID MEASURES**

### **INHALATION:**

If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

### **INGESTION:**

If victim is conscious give 1 to 2 glasses of water. Get medical attention. Never give anything by mouth to an unconscious person.

### **EYES:**

Flush eyes with plenty of water and get medical attention if irritation persists.

### **SKIN:**

Wash with soap and water. Seek medical attention if irritation persists.

## **5 FIRE FIGHTING MEASURES**

### **FLASHPOINT (METHOD):**

None

### **LOWER EXPLOSION LIMIT (% v/v):**

Not available

### **UPPER EXPLOSION LIMIT (% v/v):**

Not available

### **AUTO-IGNITION TEMPERATURE:**

> 752 °F

### **SPECIAL HAZARDS:**

Under certain conditions, suspended dust clouds may be explosive if ignited by an electrostatic spark or other ignition source.

### **EXTINGUISHING MEDIA:**

Foam. Water spray.

### **SPECIAL FIREFIGHTING PROCEDURES:**

Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires.

### **HAZARDOUS COMBUSTION PRODUCTS:**

See Hazardous Thermal Decomposition Products.

## **6 ACCIDENTAL RELEASE MEASURES**

Caution - surfaces become very slippery if product comes in contact with water. Sweep, scoop, or vacuum up spill, while taking care not to disperse dust in the air. Place in suitable container(s) for reuse or disposal. Wear specified protective equipment.

## **7 HANDLING AND STORAGE**

### **HANDLING:**

Avoid creating dust. Electrically ground/bond during pumping or transfer to avoid static accumulation/discharge. Use only spark-proof and explosion-proof tools and equipment.

### **STORAGE REQUIREMENTS:**

Keep away from heat. Keep away from ignition sources. Keep container dry. Keep container tightly closed, in a cool, well ventilated place.

## **8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **SPECIFIC ENGINEERING CONTROLS:**

Adequate ventilation should be provided to keep dust concentrations below acceptable exposure limits.

### **PERSONAL PROTECTIVE EQUIPMENT:**

Chemical resistant gloves. Chemical resistant goggles. Dust mask. Appropriate respiratory protection shall be worn when applied engineering controls are not adequate to protect against inhalation exposure.

## **9 PHYSICAL AND CHEMICAL PROPERTIES**

### **PHYSICAL STATE:**

Powder

### **COLOR:**

White To Yellow

ODOR:	None
ODOR THRESHOLD:	Not available
SPECIFIC GRAVITY:	0.4 - 0.6 (bulk density)
VAPOR PRESSURE:	Not available
VAPOR DENSITY (air = 1):	Not available
EVAPORATION RATE:	Not available
BOILING POINT:	Not available
FREEZING POINT:	Not available
pH:	6-7
VISCOSITY (F):	Not available
SOLUBILITY IN WATER:	Forms gel

## **10 STABILITY AND REACTIVITY**

### **STABILITY:**

Stable under normal conditions of use.

### **INCOMPATIBILITY/CONDITIONS OF REACTIVITY:**

Strong acids. Strong oxidizers.

### **HAZARDOUS THERMAL DECOMPOSITION PRODUCTS:**

None known.

### **HAZARDOUS POLYMERIZATION:**

Will not occur.

## **11 TOXICOLOGICAL PROPERTIES**

### **CHRONIC EFFECTS:**

None known.

### **SENSITIZATION:**

Not known.

### **CARCINOGENICITY:**

None of the components of this product have been listed as carcinogenic by IARC, NTP or OSHA. (IARC - International Agency for Research on Cancer) (NTP - National Toxicology Program) (OSHA - Occupational Safety & Health Administration (US)).

### **MUTAGENICITY:**

Not known.

### **REPRODUCTIVE TOXICITY:**

Not known.

## **12 ECOLOGICAL INFORMATION**

Additional information may be available upon request.

## **13 DISPOSAL CONSIDERATIONS**

### **WASTE DISPOSAL:**

Consult local waste authorities for direction and/or approvals prior to disposal. Disposal should be made in accordance with national and local regulations.

## **14 TRANSPORT INFORMATION**

### **LAND TRANSPORT (DOT)**

Proper Shipping Name:	NOT RESTRICTED
Hazard Class - Primary:	
UN/ID No.:	NA
Packing Group:	
Subsidiary Risk:	N.A.
Reportable Quantity (RQ):	N.A.

Emergency Response Guide #: N.A.

**AIR TRANSPORT (ICAO/IATA)**

Proper Shipping Name: NOT RESTRICTED  
Hazard Class - Primary:  
UN/ID No.: NA  
Packing Group:

**MARINE TRANSPORT (IMDG/IMO)**

Proper Shipping Name: NOT RESTRICTED  
Hazard Class - Primary:  
Packing Group:  
EmS:

**15 REGULATORY INFORMATION**

**SARA TITLE III:**

**SECTION 302/304** This product does not contain substances listed in Appendix A and B 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.

**TSCA INVENTORY:** The substances in this product are included on or exempted from the TSCA 8(b) Inventory (40 CFR 710).

**CALIFORNIA PROP 65:** This product does not contain substances which require warning under California Proposition 65.

**PRIORITY POLLUTANTS:**

**16 OTHER INFORMATION**

**ISSUE DATE:** 01/28/2008

**PREPARED BY:** BJ Services Environmental Group

**REFERENCES:**

Dangerous Properties of Industrial Materials, 9th ed.; N. Irving Sax, 1996.  
Guide to Occupational Exposure Values - 2006, American Conference of Governmental Industrial Hygienists, 2006.  
Suspect Chemicals Sourcebook  
Suppliers' Literature.

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