



**BJ SERVICES COMPANY  
MATERIAL SAFETY DATA SHEET**

Region  
USA

**SECTION I - GENERAL INFORMATION**

PRODUCT NAME: **FAC-2**  
 ITEM NUMBER: 488326  
 CHEMICAL DESCRIPTION: Surfactant solution  
 PRODUCT USE: Gellant - Surfactant  
 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: June 2, 2004  
 Supersedes: March 1, 2004

**HMIS HAZARD INDEX**  
 HEALTH: 1  
 FLAMMABILITY: 1  
 REACTIVITY: 0  
 PERSONAL PROTECTION: b

**SECTION II - HAZARDOUS COMPONENTS**

HAZARDOUS COMPONENTS	CAS #	PERCENT	HAZARD
Sodium xylene sulfonate	1300-72-7	30 – 60	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: Foam, dry chemicals, carbon dioxide, water spray.  
 SPECIAL FIRE FIGHTING PROCEDURES: Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires. Cool exposed containers with water spray.  
 EXPLOSION DATA: When water has evaporated, the residue will burn. Closed containers may rupture when exposed to extreme heat.  
 HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon and sulfur, hydrocarbon residues.

**SECTION IV - HEALTH HAZARD DATA**

PRIMARY ROUTES OF ENTRY: Skin and eye contact, ingestion

ACUTE OVEREXPOSURE EFFECTS:

SKIN CONTACT: Irritant. Can cause redness and inflammation on prolonged contact.  
SKIN ABSORPTION: Not absorbed by skin.  
EYE CONTACT: Irritant. Can cause redness and inflammation.  
INHALATION: Inhalation is not an expected route of exposure. If respiratory irritation or distress occurs remove victim to fresh air. Seek medical attention if respiratory irritation or distress continues.  
INGESTION: May be harmful if swallowed. May cause nausea and vomiting.

CHRONIC OVEREXPOSURE EFFECTS: None known.

EXPOSURE LIMITS:

HAZARDOUS COMPONENT	ACGIH TLV	OSHA PEL
Sodium xylene sulfonate	N.E.	N.E.

CARCINOGENICITY, REPRODUCTIVE EFFECTS:

Not listed as carcinogenic – 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 eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

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

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

FOR INGESTION: If victim is conscious give 2-3 glasses of water to drink. Induce vomiting by sticking finger to the back of throat. Do not give anything by mouth to an unconscious person. Seek medical attention.

**SECTION VI - PHYSICAL DATA**

APPEARANCE AND ODOR: Clear liquid with mild odor  
SPECIFIC GRAVITY: 1.18  
VAPOR PRESSURE: < 1 mmHg @ 20°C  
VAPOR DENSITY (air=1): N.E.  
EVAPORATION RATE: N.E.  
BOILING POINT: N.E.  
FREEZING POINT: N.E.  
SOLUBILITY IN H2O: Soluble

pH: 7.5 – 10.5 (1 wt/wt%)

## **SECTION VII - REACTIVITY DATA**

CHEMICAL STABILITY: Stable  
INCOMPATIBLE MATERIALS: Strong acids, bases and oxidizing agents.  
HAZARDOUS POLYMERIZATION: Does not polymerize  
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon and sulfur, hydrocarbon residues.

## **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: Use NIOSH/MSHA approved respirator protection when ventilation is inadequate.

PROTECTIVE GLOVES: Neoprene or nitrile gloves.

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. Soak up residue or small spills with absorbent pads, clay, or dirt and place in salvage containers.

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

HANDLING & SPECIAL EQUIPMENT: Avoid breathing vapors and mists. Avoid direct or prolonged contact with skin and eyes. Product may freeze at low temperatures.

STORAGE REQUIREMENTS: Store in a cool, 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

SECTION 311/312  
SECTION 313

Hazardous Substance.  
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 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.