



# BJ SERVICES COMPANY MATERIAL SAFETY DATA SHEET

Region  
USA

## 1 PRODUCT AND COMPANY IDENTIFICATION

Product Name: **FAC-3W**  
Item Number: 488368  
Product Use: Gellant - Surfactant  
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: 2  
FLAMMABILITY: 3  
REACTIVITY: 0  
PERSONAL PROTECTION: g

## 2 COMPOSITION/INFORMATION ON INGREDIENTS

| Hazardous Component                 | CAS#        | Percent | Hazard        |
|-------------------------------------|-------------|---------|---------------|
| Isopropanol                         | 000067-63-0 | 10-30   | Flammable     |
| Trimethyloctadecylammonium chloride | 000112-03-8 | 15-40   | Skin irritant |
| Sodium xylene sulphonate            | 001300-72-7 | 15-40   | Irritant      |

## 3 HAZARDS IDENTIFICATION

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

### ACUTE OVEREXPOSURE EFFECTS:

**INHALATION:** Inhalation of solution vapor or mist may cause respiratory tract irritation. Excessive inhalation may cause headache, dizziness and nausea.

**INGESTION:** Ingestion may cause irritation to the mouth, throat and esophagus. May cause nausea, vomiting and diarrhea.

**EYE CONTACT:** May cause moderate to severe eye irritation. May cause burns with prolonged contact.

**SKIN CONTACT:** May cause skin irritation or burns with prolonged contact.

### EXPOSURE LIMITS:

| HAZARDOUS COMPONENT | ACGIH TLV | OSHA PEL    | LC50 (inhalation) | LD50 (oral)    |
|---------------------|-----------|-------------|-------------------|----------------|
| Isopropanol         | 200 ppm   | 200 ppm TWA | 16000 ppm/8 rat   | 5045 mg/kg rat |

|                                     |    |              |    |                 |
|-------------------------------------|----|--------------|----|-----------------|
|                                     |    | 400 ppm STEL |    |                 |
| Trimethyloctadecylammonium chloride | NA | NA           | NA | 536 mg/kg mouse |
| Sodium xylene sulphonate            | NA | NA           | NA | NA              |
|                                     |    |              |    |                 |

## **4 FIRST AID MEASURES**

### **INHALATION:**

If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Only trained personnel should administer oxygen. Get medical attention.

### **INGESTION:**

Rinse mouth with water several times. DO NOT induce vomiting. Give victim plenty of water. Obtain medical assistance immediately. If vomiting occurs naturally, keep head lower than hips to prevent aspiration.

### **EYES:**

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention.

### **SKIN:**

In case of contact, immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and launder before reuse. Seek medical attention.

## **5 FIRE FIGHTING MEASURES**

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

77°F (PMCC)

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

2 (isopropanol)

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

12 (isopropanol)

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

750°F (isopropanol) °F

### **SPECIAL HAZARDS:**

Flammable. May form flammable vapour-air mixture. This product or a component there of can flow along surfaces to reach a distant ignition source and flash back.

### **EXTINGUISHING MEDIA:**

Water fog, carbon dioxide, alcohol foam, dry chemical.

### **SPECIAL FIREFIGHTING PROCEDURES:**

Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires. Cool exposed containers with water spray.

### **HAZARDOUS COMBUSTION PRODUCTS:**

Oxides of carbon and nitrogen.

## **6 ACCIDENTAL RELEASE MEASURES**

Wear specified protective equipment. Remove sources of ignition. Small spills - Cover spill with absorbent material. Scoop absorbed material into a suitable container for disposal. Large spills - Dike to contain. Prevent from entering sewers or waterways. Recover product to suitable containers or vessel for reuse, if possible, or for disposal. Use only explosion proof transfer equipment.

## **7 HANDLING AND STORAGE**

### **HANDLING:**

Wear specified protective equipment. Use only in a well ventilated area. Use only spark-proof and explosion-proof tools and equipment.

### **STORAGE REQUIREMENTS:**

Keep container tightly closed, in a cool, well ventilated place. Keep away from heat. Keep away from ignition sources. Keep away from incompatible materials. Protect from freezing.

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

#### **SPECIFIC ENGINEERING CONTROLS:**

Use only in a well ventilated area. Adequate ventilation should be provided to keep concentrations below acceptable exposure limits.

#### **PERSONAL PROTECTIVE EQUIPMENT:**

Appropriate respiratory protection shall be worn when applied engineering controls are not adequate to protect against inhalation exposure. Chemical resistant goggles or face shield. Nitrile gloves. Neoprene gloves. Coveralls.

### **9 PHYSICAL AND CHEMICAL PROPERTIES**

|                          |                          |
|--------------------------|--------------------------|
| PHYSICAL STATE:          | Liquid                   |
| COLOR:                   | Clear, pale yellow       |
| ODOR:                    | Alcohol                  |
| ODOR THRESHOLD:          | Not available/applicable |
| SPECIFIC GRAVITY:        | 1.04                     |
| VAPOR PRESSURE:          | Not available/applicable |
| VAPOR DENSITY (air = 1): | Not available/applicable |
| EVAPORATION RATE:        | Not available/applicable |
| BOILING POINT:           | Not available/applicable |
| FREEZING POINT:          | -10°C / 14°F             |
| pH:                      | Not available            |
| VISCOSITY (F):           | Not available/applicable |
| SOLUBILITY IN WATER:     | Partial                  |

### **10 STABILITY AND REACTIVITY**

#### **STABILITY:**

Stable under normal conditions of use.

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

Strong oxidizers.

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

Oxides of carbon and nitrogen.

#### **HAZARDOUS POLYMERIZATION:**

Will not occur.

### **11 TOXICOLOGICAL PROPERTIES**

#### **CHRONIC EFFECTS:**

Not determined.

#### **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**

No specific information available

## **13 DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL:

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

## **14 TRANSPORT INFORMATION**

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

Proper Shipping Name: FLAMMABLE LIQUID,N.O.S.  
Technical Name(s): Isopropanol  
Hazard Class - Primary: 3  
UN/ID No.: UN 1993  
Packing Group: III  
Subsidiary Risk: N.A.  
Reportable Quantity (RQ): N.A.  
Emergency Response Guide #: 128

### **AIR TRANSPORT (ICAO/IATA)**

Proper Shipping Name: FLAMMABLE LIQUID,N.O.S.  
Technical Name(s): Isopropanol  
Hazard Class - Primary: 3  
UN/ID No.: UN 1993  
Packing Group: III

### **MARINE TRANSPORT (IMDG/IMO)**

Proper Shipping Name: FLAMMABLE LIQUID,N.O.S.  
Technical Name(s): Isopropanol  
Hazard Class - Primary: 3  
Packing Group: III  
EmS: F-E, S-E

## **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, Fire

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

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

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

**PRIORITY POLLUTANTS:**

## **16 OTHER INFORMATION**

**ISSUE DATE:** 07/13/2006  
**PREPARED BY:**

### **REFERENCES:**

Supplier's Literature.

CCINFO Web Information Service, Canadian Centre for Occupational Health and Safety, 2006.

International Marine Dangerous Goods Code, 2002 Edition , International Maritime Organisation, 2002.

Dangerous Goods Regulations, 47th ed., International Air Transport Association, 2006.

TDG Clear Language Regulations, as published in the Canada Gazette Part II, August 2001.

Guide to Occupational Exposure Values - 2006, American Conference of Governmental Industrial Hygienists, 2006.

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