



# BJ SERVICES COMPANY MATERIAL SAFETY DATA SHEET

Region  
USA

## 1 PRODUCT AND COMPANY IDENTIFICATION

Product Name: **InFlo 250**  
Item Number: 488396, 423907  
Product Use: Surface tension reducer  
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: g

## 2 COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Component	CAS#	Percent	Hazard
Surfactants	Inflo-250A	20-80	
2-Butoxyethanol	000111-76-2	3-20	Irritant

## 3 HAZARDS IDENTIFICATION

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

### ACUTE OVEREXPOSURE EFFECTS:

**INHALATION:** None known.

**INGESTION:** May be harmful if swallowed.

**EYE CONTACT:** Contact with liquid may cause eye irritation.

**SKIN CONTACT:** May cause skin irritation. May cause redness and blistering of skin.

### EXPOSURE LIMITS:

HAZARDOUS COMPONENT	ACGIH TLV	OSHA PEL	LC50 (inhalation)	LD50 (oral)
Surfactants	NA	NA	NA	NA
2-Butoxyethanol	20 ppm	50 ppm	450 ppm/4 rat	250 mg/kg rat

## **4 FIRST AID MEASURES**

### **INHALATION:**

None known.

### **INGESTION:**

Do not induce vomiting. Give victim plenty of water. Obtain medical attention immediately. Never give anything by mouth to an unconscious person.

### **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 soap and water. Remove contaminated clothing and launder before reuse. Seek medical attention if irritation persists.

## **5 FIRE FIGHTING MEASURES**

<b>FLASHPOINT (METHOD):</b>	> 200°F
<b>LOWER EXPLOSION LIMIT (% v/v):</b>	Not available
<b>UPPER EXPLOSION LIMIT (% v/v):</b>	Not available
<b>AUTO-IGNITION TEMPERATURE:</b>	Not available

### **SPECIAL HAZARDS:**

Product may burn in fire conditions.

### **EXTINGUISHING MEDIA:**

Carbon dioxide, dry chemical, foam.

### **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**

Wear specified protective equipment. 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.

## **7 HANDLING AND STORAGE**

### **HANDLING:**

Avoid contact with skin and eyes. Do not inhale vapors. Use only in a well ventilated area. Wash hands before eating and smoking. Use only spark-proof and explosion-proof tools and equipment.

### **STORAGE REQUIREMENTS:**

Keep container closed when not in use. Keep in a cool, well ventilated place. Keep away from ignition sources. Keep away from incompatible materials.

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

### **SPECIFIC ENGINEERING CONTROLS:**

Local exhaust. Use only in a well ventilated area.

### **PERSONAL PROTECTIVE EQUIPMENT:**

Appropriate respiratory protection shall be worn when applied engineering controls are not adequate to protect against inhalation exposure. (Cartridge respirator) Chemical resistant goggles. Chemical resistant gloves. Coveralls.

## **9 PHYSICAL AND CHEMICAL PROPERTIES**

<b>PHYSICAL STATE:</b>	Liquid
<b>COLOR:</b>	Clear/yellow
<b>ODOR:</b>	None
<b>ODOR THRESHOLD:</b>	Not available

SPECIFIC GRAVITY:	Not available
VAPOR PRESSURE:	< 0.4 mm Hg @ 68° F
VAPOR DENSITY (air = 1):	Not available
EVAPORATION RATE:	Not available
BOILING POINT:	Not available
FREEZING POINT:	Not available
pH:	Not applicable/available
VISCOSITY (F):	Not available
SOLUBILITY IN WATER:	Soluble

## **10 STABILITY AND REACTIVITY**

### **STABILITY:**

Stable under normal conditions of use.

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

Contact with oxidizing agents. Contact with strong acids. Reducing agents.

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

Oxides of carbon and nitrogen.

### **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**

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: NOT RESTRICTED

UN/ID No.: NA

Hazard Class - Primary:

Hazard Class - Secondary:

Packing Group:

Reportable Quantity (RQ):

Emergency Response Guide #:

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

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

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

Proper Shipping Name: NOT RESTRICTED  
UN No.: NA  
Hazard Class - Primary:  
Hazard Class - Secondary:  
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** Fire, 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:** 05/01/2009

**PREPARED BY:** BJ Services HSE Department

### **REFERENCES:**

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

Guide to Occupational Exposure Values - 2006, American Conference of Governmental Industrial Hygienists, 2006. Supplier's Literature.

SAX's Dangerous Properties of Industrial Materials

Suspect Chemicals Sourcebook

Dangerous Goods Regulations, 48th ed., International Air Transport Association, 2007.

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.