



# BJ SERVICES COMPANY MATERIAL SAFETY DATA SHEET

Region  
USA

## 1 PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Ultra Flush II Concentrate**  
Item Number: 488142  
Product Use: Cement spacer concentrate  
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
Hydrotreated light distillate	064742-47-8	60-90	

Notes: \* as total hydrocarbon vapor

## 3 HAZARDS IDENTIFICATION

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

### ACUTE OVEREXPOSURE EFFECTS:

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

**INGESTION:** Not a likely exposure route. Minute amounts aspirated into the lungs during ingestion or vomiting may cause severe pulmonary injury.

**EYE CONTACT:** May cause mild eye irritation.

**SKIN CONTACT:** Prolonged contact may cause mild irritation.

### EXPOSURE LIMITS:

HAZARDOUS COMPONENT	ACGIH TLV	OSHA PEL	LC50 (inhalation)	LD50 (oral)
Hydrotreated light distillate	200 mg/m <sup>3</sup> , skin*	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. Give victim plenty of water. DO NOT induce vomiting. Get medical attention! If vomiting occurs, keep head lower than hips to prevent aspiration.

### **EYES:**

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

### **SKIN:**

Wash with soap and water. Remove contaminated clothing and launder before reuse. Get medical attention if irritation persists.

## **5 FIRE FIGHTING MEASURES**

<b>FLASHPOINT (METHOD):</b>	>200° F°F (CC)
<b>LOWER EXPLOSION LIMIT (% v/v):</b>	0.6
<b>UPPER EXPLOSION LIMIT (% v/v):</b>	5.0
<b>AUTO-IGNITION TEMPERATURE:</b>	Not available

### **SPECIAL HAZARDS:**

Combustible. May form combustible vapor-air mixtures at or above the flashpoint. May accumulate static charges which may cause a fire if discharged.

### **EXTINGUISHING MEDIA:**

Water fog, carbon dioxide, 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.

## **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.

### **STORAGE REQUIREMENTS:**

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

## **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. (Cartridge respirator) Chemical resistant goggles. Chemical resistant gloves. Coveralls.

## **9 PHYSICAL AND CHEMICAL PROPERTIES**

<b>PHYSICAL STATE:</b>	Liquid
<b>COLOR:</b>	Tan

ODOR:	Mild amine
ODOR THRESHOLD:	Not available
SPECIFIC GRAVITY:	~ 0.88
VAPOR PRESSURE:	0.023 kPa @ 20°C/0.17 mm Hg @ 68° F
VAPOR DENSITY (air = 1):	6.2
EVAPORATION RATE:	0.1
BOILING POINT:	200-250°C/ 392 - 482° F
FREEZING POINT:	Not available
pH:	Not available
VISCOSITY (F):	Not available
SOLUBILITY IN WATER:	Dispersible

## **10 STABILITY AND REACTIVITY**

### **STABILITY:**

Stable under normal conditions of use.

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

Strong oxidizers.

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

Carbon monoxide. Carbon dioxide.

### **HAZARDOUS POLYMERIZATION:**

Will not occur.

## **11 TOXICOLOGICAL PROPERTIES**

### **CHRONIC EFFECTS:**

Dermatitis.

### **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** 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:** 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:** 11/24/2009

**PREPARED BY:** BJ Services HSE Department

**REFERENCES:**

Supplier's Literature.

CCINFO Web Information Service, Canadian Centre for Occupational Health and Safety, 2008.

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

Dangerous Goods Regulations, 49th ed., International Air Transport Association, 2008.

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

Guide to Occupational Exposure Values - 2007, American Conference of Governmental Industrial Hygienists, 2007.

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