



# BJ SERVICES COMPANY MATERIAL SAFETY DATA SHEET

Region  
USA

## 1 PRODUCT AND COMPANY IDENTIFICATION

Product Name: **LW-6 (All Grades)**  
Item Number: 100380  
Product Use: Light-weight additive for cement  
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: 0  
REACTIVITY: 0  
PERSONAL PROTECTION: e

## 2 COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Component	CAS#	Percent	Hazard
Crystalline silica quartz	014808-60-7	0.1-5	Carcinogen

## 3 HAZARDS IDENTIFICATION

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

### ACUTE OVEREXPOSURE EFFECTS:

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

**INGESTION:** Product has low oral toxicity. Not a likely exposure route.

**EYE CONTACT:** Dust may cause irritation.

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

### EXPOSURE LIMITS:

HAZARDOUS COMPONENT	ACGIH TLV	OSHA PEL	LC50 (inhalation)	LD50 (oral)
Crystalline silica quartz	0.025 mg/m <sup>3</sup> , respirable fraction	0.1 mg/m <sup>3</sup>	NA	NA

## 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:**

Rinse mouth out with water. Drink plenty of water. If significant quantities were ingested, seek medical advice.

## **EYES:**

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes 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**

FLASHPOINT (METHOD):	None
LOWER EXPLOSION LIMIT (% v/v):	Not available
UPPER EXPLOSION LIMIT (% v/v):	Not available
AUTO-IGNITION TEMPERATURE:	Not available

## **SPECIAL HAZARDS:**

None.

## **EXTINGUISHING MEDIA:**

Use appropriate media for surrounding fire.

## **SPECIAL FIREFIGHTING PROCEDURES:**

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

## **HAZARDOUS COMBUSTION PRODUCTS:**

None.

## **6 ACCIDENTAL RELEASE MEASURES**

Wear specified protective equipment including appropriate respiratory protection. 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.

## **7 HANDLING AND STORAGE**

### **HANDLING:**

Avoid creating dust. Use only in a well ventilated area. Wear specified protective equipment.

### **STORAGE REQUIREMENTS:**

Keep container dry. Keep in a cool, well ventilated place.

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

### **SPECIFIC ENGINEERING CONTROLS:**

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

### **PERSONAL PROTECTIVE EQUIPMENT:**

Dust respirator. Safety glasses. Rubber gloves. Coveralls.

## **9 PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE:	Solid
COLOR:	Light grey to tan grey
ODOR:	None
ODOR THRESHOLD:	Not available
SPECIFIC GRAVITY:	Not available
VAPOR PRESSURE:	Not available
VAPOR DENSITY (air = 1):	Not available
EVAPORATION RATE:	Not available
BOILING POINT:	Not available
FREEZING POINT:	Not available

pH: Not available  
VISCOSITY (F): Not available  
SOLUBILITY IN WATER: Insoluble

## **10 STABILITY AND REACTIVITY**

### **STABILITY:**

Stable under normal conditions of use.

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

Hydrofluoric acid.

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

None known.

### **HAZARDOUS POLYMERIZATION:**

Will not occur.

## **11 TOXICOLOGICAL PROPERTIES**

### **CHRONIC EFFECTS:**

Chronic inhalation of crystalline silica (present at 1-5% in this product) may result in shortness of breath, dyspnea (difficult breathing) and dry cough. These symptoms are generally a first sign of a pulmonary disease called Silicosis.

### **SENSITIZATION:**

Not known.

### **CARCINOGENICITY:**

Free crystalline silica (<1% in this product) is listed as a Group 1 carcinogen (carcinogenic to humans) by IARC. This classification applies to the inhalation of respirable crystalline silica. (IARC - International Agency for Research on Cancer).

### **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

Hazard Class - Primary:

UN/ID No.: NA

Packing Group:

Subsidiary Risk:

Reportable Quantity (RQ):

Emergency Response Guide #:

### **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** Delayed, 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:** Substances known to the State of California to cause cancer are present in this product.

**PRIORITY POLLUTANTS:**

**16 OTHER INFORMATION**

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**PREPARED BY:** BJ Services Environmental Group

**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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