



**BJ SERVICES COMPANY**  
**MATERIAL SAFETY DATA SHEET**

Region  
USA

**SECTION I - GENERAL INFORMATION**

PRODUCT NAME: **Fly Ash (Pozzolan)**  
ITEM NUMBER : 100317, 415018, 415020  
CHEMICAL DESCRIPTION: Flyash  
PRODUCT USE: CMT extender  
SUPPLIER: BJ Services Company  
ADDRESS: 11211 FM 2920  
Tomball, TX 77375  
**EMERGENCY TELEPHONE NUMBER (800)424-9300 for CHEMTREC  
(202)483-7616 Alaska and International**  
PREPARED BY: BJ Services Environmental Group  
(281)351-8131  
DATE PREPARED: August 31, 2000 Supersedes: December 1992

**HMIS HAZARD INDEX**

HEALTH: 1  
FLAMMABILITY: 0  
REACTIVITY: 0  
PERSONAL PROTECTION: e

**SECTION II - HAZARDOUS COMPONENTS**

HAZARDOUS COMPONENTS	CAS #	PERCENT	HAZARD
Alumina	1344-28-1	15 - 25	Irritant
Calcium Oxide	1305-78-8	2 - 8	Irritant
Iron Oxide	1309-37-1	3 - 6	Irritant
Silica (quartz)	14808-60-7	4 - 11	Irritant

**SECTION III - FIRE AND EXPLOSION HAZARD DATA**

FLASHPOINT (METHOD): N.A.  
UPPER EXPLOSION LIMIT(% BY VOL): N.A.  
LOWER EXPLOSION LIMIT(% BY VOL): N.A.  
AUTO-IGNITION TEMPERATURE: N.A.  
EXTINGUISHING MEDIA: Use appropriate media for surrounding fire.  
SPECIAL FIRE FIGHTING PROCEDURES: None  
EXPLOSION DATA: Non-explosive  
HAZARDOUS COMBUSTION PRODUCTS: N.A.

**SECTION IV - HEALTH HAZARD DATA**

PRIMARY ROUTES OF ENTRY: Skin and eye contact, inhalation

ACUTE OVEREXPOSURE EFFECTS:

SKIN CONTACT: Prolonged or repeated contact with skin may cause irritation or contact dermatitis.  
SKIN ABSORPTION: Not absorbed by skin.  
EYE CONTACT: Eye contact may cause irritation and redness.  
INHALATION: Inhalation of high levels of vapors or mists may cause lightheadedness, dizziness, headaches or unconsciousness.  
INGESTION: Not an expected route of exposure

CHRONIC OVEREXPOSURE EFFECTS: Prolonged inhalation may cause pulmonary fibrosis or chronic bronchitis.

EXPOSURE LIMITS:

HAZARDOUS COMPONENT	ACGIH TLV	OSHA PEL
Alumina	5 mg/m <sup>3</sup> (dust)	Same
Calcium Oxide	5 mg/m <sup>3</sup> (dust)	Same
Iron Oxide	5 mg/m <sup>3</sup> (dust)	Same
Silica (quartz)	1 mg/m <sup>3</sup> (dust)	Same

CARCINOGENICITY, REPRODUCTIVE EFFECTS:

Not listed as carcinogen - 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 with plenty of water for at least 15 minutes. If irritation persists, contact a physician.  
FOR SKIN: Flush skin with water or wash with mild soap and water if available. 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 large amounts are ingested, contact a physician.

## **SECTION VI - PHYSICAL DATA**

APPEARANCE AND ODOR:	Fine gray powder, no odor
SPECIFIC GRAVITY:	2.25
VAPOR PRESSURE:	N.A.
VAPOR DENSITY (air=1):	N.A.
EVAPORATION RATE:	N.A.
BOILING POINT:	N.A.
FREEZING POINT:	N.A.
SOLUBILITY IN H2O:	0 - 5%
pH:	N.A.

## **SECTION VII - REACTIVITY DATA**

CHEMICAL STABILITY:	Stable
INCOMPATIBLE MATERIALS:	None known
HAZARDOUS POLYMERIZATION:	Does not polymerize
HAZARDOUS DECOMPOSITION PRODUCTS:	None

## **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:	Dust mask if necessary
PROTECTIVE GLOVES:	Rubber or neoprene
EYE PROTECTION:	Goggles
OTHER PROTECTIVE EQUIPMENT:	Eyewash bottles or other rinsing equipment should be easily accessible.

## **SECTION IX - HANDLING PRECAUTIONS**

LEAK AND SPILL PROCEDURES:	Sweep up and place in suitable containers for reuse or disposal.
WASTE DISPOSAL:	If this product becomes a waste it does not meet the requirements of a RCRA hazardous waste. Always dispose of according to local/state/federal regulations.
HANDLING & SPECIAL EQUIPMENT:	Avoid contact with eyes, skin and clothing. Avoid breathing dusts.
STORAGE REQUIREMENTS:	Store in a cool, dry 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 Hazardous Substance.
SECTION 311/312	Immediate, Delayed
SECTION 313	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 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.