



BJ SERVICES COMPANY MATERIAL SAFETY DATA SHEET

Region
USA

1 PRODUCT AND COMPANY IDENTIFICATION

Product Name: **CarboLite**
Item Number: 499845, 499846, 499847, 426811, 426868
Product Use: Proppant for fracturing applications
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: g

2 COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Component	CAS#	Percent	Hazard
Amorphous silica	007631-86-9	5-35%	
Mullite	001302-93-8	60-85	
Crystalline silica quartz	014808-60-7	0-20	Carcinogen

Notes: *Carcinogen Category 3 (R-phrases correspond to respirable crystalline silica)

3 HAZARDS IDENTIFICATION

PRIMARY ROUTES OF EXPOSURE: Inhalation. Eye contact.

ACUTE OVEREXPOSURE EFFECTS:

INHALATION: Inhalation of dust may cause respiratory tract irritation.

INGESTION: None known.

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)
Amorphous silica	NA	NA	NA	NA

Mullite	NA	NA	NA	NA
Crystalline silica quartz	0.025 mg/m3, respirable fraction	10mg/m3/%SiO2 +2	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 large quantities were ingested, seek medical advice.

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. Seek medical attention if irritation persists.

5 FIRE FIGHTING MEASURES

FLASHPOINT (METHOD):

None

LOWER EXPLOSION LIMIT (% v/v):

Not applicable

UPPER EXPLOSION LIMIT (% v/v):

Not applicable

AUTO-IGNITION TEMPERATURE:

Not applicable

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. 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. Flush remaining traces of material with copious quantities of water. Caution - surfaces can become very slippery.

7 HANDLING AND STORAGE

HANDLING:

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

STORAGE REQUIREMENTS:

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

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:

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

9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Solid
COLOR:	Cream, Light Grey
ODOR:	None
ODOR THRESHOLD:	Not applicable
SPECIFIC GRAVITY:	2.7
VAPOR PRESSURE:	Not applicable
VAPOR DENSITY (air = 1):	Not applicable
EVAPORATION RATE:	Not applicable
BOILING POINT:	Not applicable
FREEZING POINT:	Not applicable
pH:	Not applicable
SOLUBILITY IN WATER:	Insoluble

10 STABILITY AND REACTIVITY

STABILITY:

Stable.

INCOMPATIBILITY/CONDITIONS OF REACTIVITY:

Hydrofluoric acid will dissolve silica releasing corrosive silicon tetrafluoride gas. Contact with strong oxidizers such as fluorine and chlorine trifluoride may cause fire.

HAZARDOUS THERMAL DECOMPOSITION PRODUCTS:

None known.

HAZARDOUS POLYMERIZATION:

Will not occur.

11 TOXICOLOGICAL PROPERTIES

CHRONIC EFFECTS:

Chronic inhalation of respirable crystalline silica 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. The development of Silicosis generally occurs over many years of exposure. The occurrence of Silicosis is most common in persons who have received prolonged and repeated exposure to the silica dust (e.g. sandblasting and quartz mining operations). In mild cases of Silicosis there is little or no signs of disease; however, the disease may progress after exposure has stopped.

SENSITIZATION:

Not known.

CARCINOGENICITY:

Free crystalline silica 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
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 None

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: None

16 OTHER INFORMATION

ISSUE DATE: 04/22/2010

PREPARED BY: BJ Services HSE Department

REFERENCES:

CCINFO Web Information Service, Canadian Centre for Occupational Health and Safety, 2008.
Supplier's Literature.

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.