



BJ SERVICES COMPANY MATERIAL SAFETY DATA SHEET

Region
USA

1 PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Atlas PRC**
Item Number: 499937, 499938
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: e

2 COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Component	CAS#	Percent	Hazard
Crystalline silica quartz	014808-60-7	60-100	Carcinogen
Phenolic Resin	009003-35-4	1-5	

3 HAZARDS IDENTIFICATION

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

ACUTE OVEREXPOSURE EFFECTS:

INHALATION: May irritate mouth, nose, and throat. May irritate the lungs.

INGESTION: Not a likely exposure route.

EYE CONTACT: Dust may cause irritation.

SKIN CONTACT: May cause irritation or dermatitis.

EXPOSURE LIMITS:

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

If swallowed, give at least 3-4 glasses of water, but do not induce vomiting. Do not give anything by mouth to an unconscious or convulsing person. Get medical attention.

EYES:

Flush eyes immediately with large amounts of water for at least 15 minutes. Lift upper and lower lids occasionally. Get medical attention.

SKIN:

In case of contact, immediately flush skin with plenty of soap and water. Get medical attention if irritation persists.

5 FIRE FIGHTING MEASURES

FLASHPOINT (METHOD):

Not available

LOWER EXPLOSION LIMIT (% v/v):

Not available

UPPER EXPLOSION LIMIT (% v/v):

Not available

AUTO-IGNITION TEMPERATURE:

Not available

SPECIAL HAZARDS:

Suspended dust clouds pose a severe explosion hazard in the presence of an ignition source.

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.

HAZARDOUS COMBUSTION PRODUCTS:

None.

6 ACCIDENTAL RELEASE MEASURES

Wear specified protective equipment. Prevent from entering sewers or waterways. 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 breathing dust; if exposed to high dust concentration, leave area immediately. Avoid contact with skin and eyes. Avoid creating dust. Wash hands before eating and smoking. Wear specified protective equipment.

STORAGE REQUIREMENTS:

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

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

SPECIFIC ENGINEERING CONTROLS:

Adequate ventilation should be provided to keep dust concentrations below acceptable exposure limits. Local exhaust.

PERSONAL PROTECTIVE EQUIPMENT:

Chemical resistant gloves. Chemical resistant goggles. Coveralls. Dust respirator (NIOSH/MSHA air purifying respirator with high efficiency particulate filter).

9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:

Solid

COLOR:

Amber

ODOR:

Phenolic

ODOR THRESHOLD:

Not available

SPECIFIC GRAVITY:	2.43-2.60
VAPOR PRESSURE:	Not available
VAPOR DENSITY (air = 1):	Not available
EVAPORATION RATE:	Not available
BOILING POINT:	Not available
FREEZING POINT:	Not available
pH:	6.5-7.5
VISCOSITY (F):	Not available
SOLUBILITY IN WATER:	Insoluble

10 STABILITY AND REACTIVITY

STABILITY:

Stable under normal conditions of use.

INCOMPATIBILITY/CONDITIONS OF REACTIVITY:

May react violently with strong oxidizers.

HAZARDOUS THERMAL DECOMPOSITION PRODUCTS:

Ammonia. Carbon dioxide. Carbon monoxide. Formaldehyde. Smoke.

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. May cause kidney damage. Silicosis. This product contains a suspected carcinogen.

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 Immediate, Delayed

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

ISSUE DATE: 07/16/2008

PREPARED BY: BJ Services Environmental Group

REFERENCES:

Dangerous Goods Regulations, 47th ed., International Air Transport Association, 2006.

Guide to Occupational Exposure Values - 2006, American Conference of Governmental Industrial Hygienists, 2006.

SAX's Dangerous Properties of Industrial Materials

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.