



BJ SERVICES COMPANY MATERIAL SAFETY DATA SHEET

Region
USA

1 PRODUCT AND COMPANY IDENTIFICATION

Product Name: **ASA-301**
Item Number: 499705
Product Use: Special additive
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: h

2 COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Component	CAS#	Percent	Hazard
Crystalline silica quartz	014808-60-7	60-70	Carcinogen

3 HAZARDS IDENTIFICATION

PRIMARY ROUTES OF EXPOSURE: Inhalation. Eye contact.

ACUTE OVEREXPOSURE EFFECTS:

INHALATION: Inhalation of dust may cause respiratory tract irritation.

INGESTION: May cause stomach discomfort.

EYE CONTACT: Dust may cause irritation.

SKIN CONTACT: None known.

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

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 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:

Flush skin with 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 applicable/available

UPPER EXPLOSION LIMIT (% v/v):

Not applicable/available

AUTO-IGNITION TEMPERATURE:

Not available/applicable

SPECIAL HAZARDS:

Product may burn in fire conditions.

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.

Caution - spilled material may cause surfaces to become very slippery.

HAZARDOUS COMBUSTION PRODUCTS:

Oxides of carbon.

6 ACCIDENTAL RELEASE MEASURES

Wear specified protective equipment including appropriate respiratory protection. Collect using dustless method (i.e. HEPA vacuum or wet method). Transfer to suitable container(s) for 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 in a well ventilated area. Keep away from incompatible materials. 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:

Dust respirator (NIOSH/MSHA air purifying respirator with high efficiency particulate filter). Safety glasses. Use gloves as a standard industrial handling procedure. Coveralls.

9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:

Solid

COLOR:

White, Light tan

ODOR:

Slight

ODOR THRESHOLD:

Not available/applicable

VAPOR PRESSURE:

Not available/applicable

VAPOR DENSITY (air = 1):

Not available/applicable

EVAPORATION RATE:

Not available/applicable

BOILING POINT:

Not available/applicable

FREEZING POINT: Not available/applicable
pH: Not applicable/available
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:

Oxides of carbon.

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 Hazardous Substance. This product does not contain substances listed in Appendix A and B as an Extremely

SECTION 311/312 Immediate

SECTION 313 Chemicals. This product does not contain ingredients (at a level of 1% or greater) on the List of Toxic

TSCA INVENTORY: (40 CFR 710). The substances in this product are included on or exempted from the TSCA 8(b) Inventory

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: 07/20/2009

PREPARED BY: BJ Services HSE Department

REFERENCES:

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.