



Pine Bluff Materials
1501 Heartwood St.
White Hall, AR 71602

SAFETY DATA SHEET

Construction Aggregate

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

EMERGENCY ASSISTANCE

Pine Bluff Materials: (870) 534-7120

GENERAL SDS ASSISTANCE

Pine Bluff Materials: (870) 534-7120

PRODUCT NAME: Natural Sand or Gravel

SYNONYMS: Construction Aggregate

CHEMICAL NAME: Natural Sand or Gravel

CHEMICAL FAMILY: Rock

ISSUE DATE: November 2015

REVISED DATE: November 2015

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification

Carcinogenicity – Category 1A
Specific Target Organ Toxicity Repeat Exposure – Category 2
Skin Corrosion / Irritation – Category 2
Eye Damage / Irritation – Category 2B

GHS Label Elements**Symbols****SIGNAL WORD**

Danger

HAZARD STATEMENTS

H350-May Cause Cancer

H372-Causes damage to organs (lungs) through prolonged or repeated exposure

H315-Causes skin irritation

H319-Causes serious eye irritation

PRECAUTIONARY STATEMENTS

PREVENTION:

P260-Do Not Breathe Dust.

P271-Use only outdoors or in a well-ventilated area.

P280-Wear protective gloves / protective clothing/eye protection/ face protection

P264-Wash hands and arms thoroughly after handling

P202-Do not handle until all safety precautions have been read and understood.

RESPONSE:

If Inhaled:

P340-Remove victim to fresh air and keep comfortable for breathing.

P312-Call a poison control center / medical personnel if you feel unwell.

If in Eyes:

P351 + P338-Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do, continue rinsing.

P337+ P313-If eye irritation persists, get medical advice / attention.

If On Skin:

P302 + P351-Wash with plenty of soap and water.

P332 + P313-If skin irritation occurs: get medical advice / attention.

P363 + P364-Take off contaminated clothing and wash it before reuse.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS #	%
Natural Sand or Gravel*	None	100
Crystalline Silica (quartz)	14808-60-7	> 1

*Composition varies naturally, typically contains high levels of crystalline silica (quartz)

SECTION 4: FIRST AID MEASURES

EYE CONTACT: Immediately flush the eyes with large amounts of room temperature water for a minimum of 15 minutes. Hold the eyelids apart during the flushing operation. Get immediate medical attention if irritation persists.

SKIN CONTACT: Wash affected areas thoroughly with soap and water.

INHALATION: Remove the person from further exposure and move to fresh air. Get immediate medical attention if breathing difficulty occurs.

INGESTION: Ingestion is not a primary route of exposure under normal working conditions.

SECTION 5: FIRE FIGHTING MEASURES

FIRE EXTINGUISHING MEDIA: Not flammable

HAZARDOUS COMBUSTION BY-PRODUCTS: None known

FIRE FIGHTING PROCEDURES: Use fire-extinguishing media appropriate for surrounding materials

UNUSUAL FIRE AND EXPLOSIVE HAZARDS: None known

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: During an accidental release use the personal protective equipment recommended in Section 8.

EMERGENCY SPILL PROCEDURES: None

SPILL CONTAINMENT: Use wet sweeping or HEPA vacuuming to minimize dust generation

DISPOSAL: Follow the procedures recommended in Section 13.

SECTION 7: HANDLING AND STORAGE

HANDLING: Wear personal protective equipment and follow the exposure control measures recommended in Section 8. Wash exposed areas thoroughly after handling. Avoid contact with eyes, skin, and clothing. Do not breathe dust and use only with adequate ventilation.

STORAGE: Store in a ventilated area.

INCOMPATIBILITIES: Strong Oxidizers

**SECTION 8: EXPOSURE CONTROL MEASURES /
PERSONAL PROTECTION**

EXPOSURE GUIDELINES:

Component		MSHA TLV-TWA	OSHA PEL-TWA	ACGIH TLV-TWA	NIOSH RELs	Units
Crystalline Silica (quartz)	Respirable Dust	10 mg/m ³ % SiO ₂ +2	10 mg/m ³ % SiO ₂ +2	0.025	0.05	mg/m ³
	Total Dust	30 mg/m ³ % SiO ₂ +2	30 mg/m ³ % SiO ₂ +2	NE	NE	mg/m ³
Total Particulates		10	15	10*	NE	mg/m ³
Respirable Particulates		NE	5	3*	NE	

*ACGIH Recommendation for Particulate not Otherwise Specified

ENGINEERING CONTROLS: Use engineering control measures to control airborne dust levels, such as local exhaust ventilation, utilizing wet methods or performing work in well ventilated areas to control airborne levels of dust below the exposure limits and guidelines. Local exhaust ventilation is preferred because it is capable of controlling dust emissions at the source and, preventing dispersion into the general work area. For additional information on ventilation, refer to the ACGIH text, *Industrial Ventilation, a Manual of Recommended Practices*.

EYE PROTECTION: Wear approved safety glasses with side shields and/or an appropriate full-face shield. All eye protection should be selected and worn in accordance with the OSHA eye and face protection guidelines outlined in 29 CFR 1910.132 and 1910.133.

SKIN PROTECTION: Under normal conditions, the use of long sleeved shirts and long pants is recommended. The use of additional PPE is not necessary to protect the skin. However, protective clothing, including gloves, aprons, and other outer garments are recommended in instances of heavy dust generation or prolonged exposure to the product. All PPE should be selected and worn in accordance with 29 CFR 1910.132 and 1910.138.

RESPIRATORY PROTECTION: Wear a NIOSH approved respirator to prevent inhalation overexposures to crystalline silica and dust. Respirators must be selected based on the airborne dust and crystalline silica levels found in the workplace and must not exceed the working limits of the respirator. All respirators should be selected and worn in accordance with 29 CFR 1910.132 and 1910.134.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Gray / White
PHYSICAL STATE:	Solid ranging in size from powder to boulders
FLAMMABLE LIMITS: (% VOLUME IN AIR):	Not Applicable
Lower Explosive Limit (LEL):	Not Applicable
Upper Explosive Limit (UEL):	Not Applicable
ODOR:	No Odor
VAPOR PRESSURE:	Not Applicable
VAPOR DENSITY (AIR):	Not Applicable
PH:	Not Available
SPECIFIC GRAVITY:	2.48 – 2.63
BOILING POINT:	Not Applicable
MELTING POINT:	Not Applicable
FLASHPOINT:	Not Applicable
EVAPORATION RATE:	Not Applicable
AUTO IGNITION TEMPERATURE:	Not Applicable
WATER SOLUBILITY:	0

SECTION 10: STABILITY AND REACTIVITY

STABILITY:	Stable at normal temperatures and pressures
CONDITIONS TO AVOID:	Stable at normal temperatures and pressures
INCOMPATIBLE MATERIALS:	Contact with powerful oxidizing agents listed below may cause fire and/or explosions. Silica dissolves in hydrofluoric acid producing a corrosive gas- silicon tetrafluoride.
	Fluorine Boron Chlorine Manganese Oxygen Trifluoride Trifluoride Trifluoride Difluoride
HAZARDOUS DECOMPOSITION PRODUCTS:	None
HAZARDOUS POLYMERIZATION:	Will Not Occur

SECTION 11: TOXICOLOGICAL INFORMATION

INHALATION: Irritation of the respiratory tract (nose, throat and lungs) leading to coughing, shortness of breath or wheezing may be observed following acute inhalation. Silicosis, lung cancer, autoimmune disease, tuberculosis, kidney disease and respiratory disease have been reported in occupational over exposures to crystalline silica. Inhaling respirable dust and/or crystalline silica may aggravate any pre-existing respiratory conditions.

RESPIRABLE SILICA: LD50 Rat IV 500 mg/kg bw /Quartz (10-200 µm)

INGESTION: Ingestion is not a primary route of exposure under normal working conditions.

SKIN IRRITATION: Prolonged direct contact with the skin may lead to irritation at the point of contact. This product is not reported to have sensitization effects.

EYE IRRITATION: Contact with the eyes may result in ocular tissue irritation or injury.

CHRONIC EXPOSURE: Prolonged and repeated exposure to airborne respirable crystalline silica can result in lung disease and/or lung cancer.

TARGET ORGANS: Eyes, skin, respiratory system.

CARCINOGENICITY: This product may cause cancer. The International Agency for Research on Cancer (IARC) classifies crystalline silica in the form of quartz as carcinogenic to humans (Group 1).

SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL SUMMARY: There is limited information available for this product.

ECOTOXICITY: There is limited information available for this product.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Dispose of in accordance with all applicable federal, state, and local regulations. Waste characterization and compliance with applicable laws are the responsibility of the waste generator.

RCRA P-Series: Not Listed
RCRA U-Series: Not Listed

SECTION 14: TRANSPORTATION INFORMATION

US DOT:

SHIPPING NAME: Not Regulated
UN #: None
DOT HAZARD CLASS: Not Regulated
DOT SHIPPING ID: Not Required
PACKING GROUP: Not Required

This product is not regulated as a hazardous material by the U.S. Department of Transportation (DOT), IMDG, EU, and United Nations, IATA or the Canadian Transportation of Dangerous Goods (TDG) regulations.

SECTION 15: REGULATORY INFORMATION

CERCLA Sections 102a/103 (40 CFR 302.4): Not Regulated
SARA Title III Section 302 (40 CFR 355.30): Not Regulated
SARA Title III Section 304 (40 CFR 355.40): Not Regulated
SARA Title III Section 313 (40 CFR 372.65): Not Regulated

SARA Title III Section 311/312 Hazardous Categories (40 CFR 370.21):

Acute: No
Chronic: Yes
Fire: No
Reactive: No
Sudden Release: No

California Proposition 65:	Listed on California Proposition 65
TSCA:	Listed on the Inventory
WHMIS (Canada):	Not Classified
CPR (Canada):	Not Regulated
IDL (Canada):	Not Regulated
DSL (Canada):	Not Regulated
ESIS (Europe):	Not Regulated

SECTION 16: OTHER INFORMATION

THE INFORMATION LISTED IN THIS DOCUMENT RELATES ONLY TO THE MATERIAL DESIGNATED AND MAY NOT BE VALID FOR SUCH MATERIAL USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. THE INFORMATION CONTAINED IN THIS SAFETY DATA SHEET WAS COMPILED FROM SOURCES CONSIDERED TO BE ACCURATE AND THUS IS BELIEVED TO BE ACCURATE. IT IS OFFERED FOR YOUR CONSIDERATION, INVESTIGATION AND VERIFICATION. IT IS THE USER'S RESPONSIBILITY TO DETERMINE IF THIS PRODUCT IS SUITABLE FOR ITS PROPOSED APPLICATION(S) AND TO FOLLOW NECESSARY SAFETY PRECAUTIONS.

PREPARED BY: GHD
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REVISED DATE: November, 2015

COMMON TERMS AND ACRONYMS:

ACGIH:	American Conference of Governmental Industrial Hygienists
CAS#:	Chemical Abstracts System Number
CERCLA:	Comprehensive Environmental Response, Compensation, and Liability Act
DOT:	Department of Transportation
EPA:	U.S. Environmental Protection Agency
EU:	European Union
GHS:	Globally Harmonized System
HMIS:	Hazardous Materials Identification System
IARC:	International Agency for Research on Cancer
IART:	International Air Transportation Association
IMDG:	International Maritime Dangerous Goods
IDLH:	Immediately Dangerous to Life and Health
LEL:	Lower Explosive Limit
MSHA:	Mine Safety and Health Administration
NE:	Not Established
NFPA:	National Fire Protection Association
NIOSH:	National Institute for Occupational Safety and Health
NTP:	National Toxicology Program
OSHA:	Occupational Safety and Health Administration
PEL:	Permissible Exposure Limit
PPE :	Personal Protective Equipment
RCRA:	Resource Conservation and Recovery Act
SDS:	Safety Data Sheet
SARA:	Superfund Amendments and Reauthorization Act
TSCA:	Toxic Substances Control Act
TWA:	Time Weighted Average
UEL:	Upper Explosive Limit