

**AZTEC PERLITE COMPANY, INC.  
MATERIAL SAFETY DATA SHEET  
DATE PREPARED MAY 1, 2010**

**I. PRODUCT IDENTIFICATION**

**Trade Name : Aztec Horticultural Perlite, Grades 2, 3, Special,  
Aztec Plaster Aggregate, Aztec Concrete Aggregate, Aztec  
Perlite Fines, Aztec XX**

**Generic Name : Perlite, Volcanic Glass      Cas# None  
Chemical Name : Amorphous Siliceous  
Formula : Sodium Potassium Aluminum Silicate of Variable  
Composition  
Manufacturer: Aztec Perlite Company, Inc  
1518 Simpson Way  
Escondido, Ca 92029**

**II. PRODUCT INGREDIENTS**

<b><u>Ingredient Name:</u></b>	<b><u>Cas#</u></b>	<b><u>%</u></b>	<b><u>Permissible Exposure Limit</u></b>
<b>Expanded Perlite</b>	<b>None</b>	<b>100</b>	<b>5mg/m<sup>3</sup>"A Nuisance Dust"</b>
<b>Crystalline Silica</b>			
<b>Quartz less than .1%</b>	<b>14808-60-7</b>		
<b>Cristobalite-ND</b>	<b>14464-46-1</b>		

**Pel Calculation Based On Less Than .1% Crystalline Silica**

**III. PHYSICAL DATA**

**Appearance and Odor : White Brown Aggregate or Powder. No  
Odor**

<b>Boiling Point:N/A</b>	<b>Evaporation Rate: (=1): N/A</b>
<b>Vapor Pressure: N/A</b>	<b>Specific Gravity: ND</b>
<b>Water Solubility(%): Slight</b>	<b>Melting Point:N/A</b>
<b>Vapor Density: (AIR=1): N/A</b>	<b>Volatile By Volume:N/A</b>

#### **IV. FIRE AND EXPLOSION DATA**

**Flash Point (Method): Non Flammable**

**NFPA Flammable/ Combustible Liquid Classification**

**Flammable Limits: N/A**

**Extinguishable Media: N/A Auto Ignition Temperature: N/A**

**Unusual Fire or Explosion Hazard: No Hazard**

**Special Fire Fighting Procedures: None**

#### **V. HEALTH HAZARDS A. SUMMARY / RISKS**

**Contains Less Than 0.1% Crystalline Silica. A Nuisance Dust Summary: Inhalation Over Long Periods of High Amounts of any Nuisance Dust May Overload Lung Clearance Mechanism and Make Lungs More Vulnerable to Respiratory Disease.**

**Medical Conditions Which May Be Aggravated: Pre-Existing Upper Respiratory and Lung Disease Such As, But Not Limited To Bronchitis, Emphysema and Asthma.**

**Target Organ (S): Lungs**

**Acute Health Effect: Transitory Upper Respiratory Irritant**

**Chronic Health Effects: None Known**

**Primary Entry Route (S): Inhalation**

#### **V. HEALTH HAZARDS B. SIGNS/SYMPTOMS OF OVER EXPOSURE**

**Inhalation: Congestion and Irritation of Throat, Nasal Passages and Upper Respiratory System.**

**Skin Contact: N/A Skin Absorption: N/A**

**Ingestion: Generally Regarded as Safe by FDA**

**Eyes: Temporary Irritation and Inflammation**

#### **V. HEALTH HAZARDS C. FIRST AID/ EMERGENCY PROCEDURES**

**Inhalation: Remove From Dusty Area. Drink Water to Clear Throat and Blow Nose.**

**Skin Contact: N/A Skin Absorption: N/A Ingestion: N/A**

**Eyes: Flush with Copious Quantities of Water for a Minimum of 15 Minutes.**

## **VI. REACTIVITY DATA**

**Material is Stable. Hazardous Polymerization Will Not Occur.**

**Chemical Incompatibilities: Hydrofluoric Acid**

**Conditions to Avoid: None in Designed Use**

**Hazardous Decomposition Products: Reacts with Hydrofluoric Acid to Form Toxic/Tetra Fluoride Silicon**

## **VII. SPILL OR LEAK PROCEDURES**

**Procedures for Spill /Leak: Vacuum Clean or Wet Sweep; Avoid Dusting; Use a Dust Suppressant When Sweeping.**

**Waste Management: Waste Generated During Application, Breakage or Spillage are not Defined by RCRA (40 CFR PART 261).**

**Place Wettened Waste and Spillage in Containers. Dispose in Approved Landfill. RQ- N/A**

## **VIII. SPECIAL PROTECTION INFORMATION**

**Goggles: Normally Not Required**

**Gloves: Normally Not Required**

**Respiratory: Even Though Perlite is a Nuisance Dust, We Recommend the Use of Approved Respirators for Protection Against Pneumoconiosis Producing Dusts.**

**Ventilation: Use Adequate Exhaust Ventilation and or Dust Collection. Other N/A**

**Special Consideration for Repair / Maintenance of Contaminated Equipment: Insure Proper Respiratory Protection.**

## **XI. SPECIAL PRECAUTIONS**

**Special Handling/ Storage: Repair All Broken Bags Immediately. Avoid Creating Dust. Maintain Good Housekeeping Practice.**

**Special Workplace Engineering Control: Not Normally Required.**

**Other: Comply With All Federal, State and Local Regulations.**

**Submitted By: Domenic Di Nardo Title: President**

**As the Date of Submittal of this Document, the forgoing information is believed to be accurate and is provided in good faith to comply with applicable Federal and State Law(s), However, No warranty or representation with respect to such information is intended or given.**