

## MATERIAL SAFETY DATA SHEET

### 1. Identification of the substance / Preparation And Company

#### 1.1 Identification of substance or preparation:

Commercial Product Name: **Bleaching earth Galleon Brand Grades (V2, V2 Special, V2 supreme, V2 Super)**

#### 1.2 Company / Undertaking Identification:

Manufacturer / Distributor: Address:  Telephone: Fax:	Manufacturer <b>Ashapura Perfoclay Ltd.</b> 278, Jeevan Udyog Building, 3 <sup>rd</sup> Floor, D.N. Road, Fort, Mumbai 400 001, India +91-22-56651700 +91-22-2206 3288/ 2207 9395
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### 2. Composition / Information on Ingredients:

**2.1 Chemical Characterization (substance):** Bentonite, (acid-leached) Palygorskite,

**2.2 Chemical Formula:**  $\text{SiO}_2 \cdot x\text{Al}_2\text{O}_3 \cdot n\text{H}_2\text{O}$ ,  
 $(\text{Mg}, \text{Al})_5\text{Si}_8\text{O}_{22}(\text{OH})_4 \cdot 4\text{HOH}$ ,

**CAS Reg. No.:** 70131-50-9, 12174-11-7

**TSCA:** The ingredients of this material are on the TSCA inventory list edited in 1991.

**Dg Class & UN No.:** Not Listed

**Hazardous Ingredients:** Crystalline Silica (Quartz) - 1-3%  
 CAS-No 14808-60-7  
 Respirable Dust - 0.1 mg/m<sup>3</sup>  
 Limit values determined acceptable by ACGIH and OSHA for respirable particles and/or total dust in the work place.

### 3. Hazards Identification:

#### 3.1 Effects of a single (Acute) Overexposure:

Inhalation:	Excessive exposure may cause respiratory irritation.
Skin Contact:	Frequent or prolonged use may cause skin irritation. May cause drying or flaking of skin.
Swallowing:	No
Eye Contact:	May cause slight irritation.

**3.2 Effects of Repeated (Chronic) Overexposure:** No specific information is available, however, if inhaled dust of the material in large quantities for a long period of time, may cause pneumoconiosis.

#### 3.3 Other effects of Overexposure:

Breathing of Excessive Dust:	May cause irritation to nasal respiratory passages.
Irritancy of Material:	N.A.
Sensitisation:	N.A.
Synergistic Materials:	N.A.

#### 3.4 Medical Conditions Aggravated by Overexposure: Respiratory Disorders

#### 3.5 Significant Laboratory data with possible relevance to Human Hazard Evaluation:

Registered Office:	<b>Ashapura Volclay Ltd.</b> 278, Jeevan Udyog Building, 3 <sup>rd</sup> Floor, D.N. Road, Fort, Mumbai 400 001, India
Telephone:	+91-22-56651700
Fax:	+91-22-2206 3288/ 2207 9395
E-mail:	be@ashapura.com
Website:	www.avlgalleon.com

#### 3.6 Carcinogenicity:

**NTP:** Silica, crystalline (Respirable Size) Reasonably Anticipated To Be Human carcinogens (8th Annual Report)

**I ARC MONOGRAPHS:** Silica, crystalline: Group 1 IARC Monographs (Vol. 68:1997)

**OSHA REGULATED:** Not regulated

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#### 4. First Aid Measures:

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- 4.1 Inhalation:** Remove to fresh air. Blow nose and rinse mouth if necessary.
- 4.2 Skin Contact:** Wash with soapy water and wash off in flowing water or shower.  
If irritation persists, seek medical attention.
- 4.3 Swallowing:** Blow nose and rinse mouth if necessary.
- 4.4 Eye Contact:** Irrigate with flowing water immediately and continuously for at least 15 minutes. If necessary, get medical attention.
- 4.5 Notes to physician:** None

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#### 5. Fire Fighting Measures:

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- 5.1 Flash Point (Test method):** N. A. (non – flammable)
- 5.2 Auto Ignition Temperature:** N. A
- 5.3 Flammable Limits in Air, % by Volume:** a. Lower Expl. Limit: N. A  
b. Upper Expl. Limit: N. A
- 5.4 Extinguishing Media:** Use extinguishing media appropriate for surrounding fire
- 5.5 Special Fire Fighting Procedures / Caution:** Positive pressure, self-contained breathing apparatus. Wear full protective clothing
- 5.6 Unusual Fire and Explosion Hazards:** Not a fire or explosion hazard.
- 5.7 Hazardous Combustion Products:** None

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#### 6. Accidental Release Measures:

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Village Ier, Near Bhujodi, Off Anjar-Bhuj Highway, Bhuj-Kutch-370 020. (Gujarat)  
Tel: +91-832-240304/240302/242032/39245 Fax: +91-2832-240303 E-mail : [avlbhuj@ashapura.com](mailto:avlbhuj@ashapura.com)  
Regd Office: Jeevan Udyog Building, 3<sup>rd</sup> Floor, 278, D.N. road, Fort, Mumbai - 400 001. (India)  
Tel: +91-22-6665 1700 Fax: +91-22-2207 9395 / 2207 4452 E-mail: be@ashapura.com

**6.1 Steps to be taken if Material is released or spilled:** Sweep up or otherwise vacuum released or spilled material by a vacuum cleaner. Take all additional action necessary to prevent and remedy the adverse effects of release or spill.

**Personal Precautions:** Wear appropriate personal protective equipment.

**Environmental Precautions:** None

**6.2 Wasted Disposal Method / Methods for cleaning up:**

Any disposal practice must be in compliance with local, state and federal laws and regulations (contact local or state environmental agency for specific rules).

**7. Handling and Storage:**

**7.1 Precautions to be taken in Storage:** Avoid excessive stacking and soaking of packages to prevent any damage. Store the material in a dry/cool place. Provide for good ventilation of the room.

**7.2 Precautions to be taken in Handling:** Avoid contact with eyes. Avoid prolonged or frequently repeated skin contact.

**8. Exposure Controls / Personal Protection:**

**8.1 Ventilation / Engineering Controls:**

Local Exhaust:	Required
Mechanical (general):	N.A
Special:	N.A
Other:	N.A

**8.2 Respiratory Protection:** Wear a approved Dust Mask

**8.3 Skin Protection:** Wear impervious/chemical resistant gloves to prevent skin exposure.

<b>8.4 Eye Protection:</b>	Wear Safety Glasses, Splash Goggles or face shield. Contact lenses should not be worn.
<b>8.5 Other Protective Equipment:</b>	Not Required

### 9. Physical and Chemical Properties:

<b>9.1 Molecular weight:</b>	N/D
<b>9.2 Specific Gravity:</b>	2.1 TO 2.25
<b>9.3 Gas Density:</b>	N/D
<b>9.4 Vapour Pressure:</b>	N/D
<b>9.5 Solubility in water:</b>	Water Insoluble
<b>9.6 Percent Volatiles by volume:</b>	Least
<b>9.7 Evaporation Rate:</b>	N/D
<b>9.8 pH:</b>	3.0 TO 5.0
<b>9.9 Sublimation Point:</b>	N/D
<b>9.10 Appearance, Odour and state:</b>	Greyish white, light yellowish brown powder, Odourless.

### 10. Stability and Reactivity:

<b>10.1 Stability:</b>	Stable.
<b>10.2 Incompatibility (materials to avoid):</b>	Hydrofluoric Acid and strong alkali.
<b>10.3 Hazardous Decomposition Products :</b>	None
<b>10.4 Hazardous Polymerization:</b>	Will not occur.

**10.5 Conditions to Avoid:**

Heat, flames.

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**11. Toxicological Information:**

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No specific information is available, however, if inhaled dust of the material in large quantities for a long period of time, may cause pneumoconiosis.

**Inhalation Effects:** Crystalline silica has shown to cause Silicosis and Lung cancer. Crystalline silica only causes these conditions when inhaled.

**Skin Contact:** Prolonged skin contact may lead to drying or cracking of the skin due to the absorption of the moisture.

**Eye Contact:** As with any dust, will be irritating to the eyes due to physical abrasion.

**Medical Conditions Aggravated:** Respiratory Disorders.

**Occupational Exposure Limits:** Studies have shown that the crystalline silica is evenly distributed throughout all particle sizes of this product. Keep dust levels below permissible limits.

**ACGIH TLV: 0.1 mg/m<sup>3</sup> as crystalline silica**

**ACGIH STEL : N/D**

**OSHA PEL (respirable): N/D**

**OSHA PEL (total dust): N/D**

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**12. Ecological Information:**

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<b>12.1 Mobility:</b>	N.A
<b>12.2 Persistence and degradability:</b>	N. A
<b>12.3 Bioaccumulations:</b>	N. A
<b>12.4 Ecotoxicity:</b>	N. A

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**13. Disposal Considerations:**

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**13.1 Waste Disposal Method:** Any disposal practice must be in compliance with local, state and federal laws and regulations (contact local or state environmental agency for specific rules).

**14. Transport Information:**

<b>14.1 DOT / IMO Shipping Name:</b>	N. A
<b>14.2 Hazard Class:</b>	Not Regulated
<b>14.3 Identification Number:</b>	N. A
<b>14.4 Product RQ:</b>	N. A
<b>14.5 Shipping Label (s):</b>	N. A
<b>14.6 Placard (when required):</b>	N. A
<b>14.7 Special Shipping Information:</b>	N. A

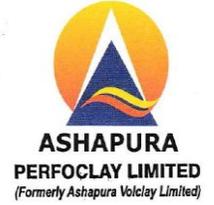
**15. Regulatory Information :** OSHA Hazard Communication  
 Categories: Irritant.

**16. Other Information:**

<b>16.1 Additional Safety and Health Hazards:</b>	Nothing particular
<b>16.2 Notes to Physician:</b>	None
<b>16.3 Protective Clothing and Equipment:</b>	Wear long protective clothing with an apron to keep dust off clothes.
<b>16.4 Other Protective Equipment:</b>	Wear appropriate clothing to Prevent skin exposure.
<b>16.5 Other Hazardous Conditions of Handling Storage and Use</b>	: Avoid prolonged exposure to dust, esp. when loading. Masks are recommended.

**16.6 Revision Date:** **December 2014**

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**16.7 Revision Number:**

**4**

**Date:**

**February 2017**

**Place:**

**Mumbai**

**Signature:**