

# MATERIAL SAFETY DATA SHEET

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

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### 1.1 Identification of substance or preparation:

Commercial Product Name: **GALLEON EARTH V2 SPECIAL**

### 1.2 Company / Undertaking Identification:

Manufacturer / Distributor: Manufacturer  
Address: **Ashapura Volclay Limited**  
278, Jeevan Udyog Building, 3rd Floor,  
D. N. Road, Fort, Mumbai 400 001, India  
Telephone: +91-22-56651700  
Fax: +91-22-2206 3288 / 2207 9395

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## 2. Composition / Information on Ingredients

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

**2.2 Chemical Formula:**  $\text{SiO}_2 \cdot x\text{Al}_2\text{O}_3 \cdot n\text{H}_2\text{O}$

**CAS Reg No.:** 70131-50-9

**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.

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## 3. Hazards Identification

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### 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.
Synergistics Materials:	N.A.

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

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

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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)

**IARC MONOGRAPHS:** Silica, crystalline: Group1, IARC Monographs (Vol. 68:1997)

**OSHA REGULATED:** Not regulated

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## **4. First Aid Measures**

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<b>4.1 Inhalation:</b>	Remove to fresh air. Blow nose and rinse mouth if necessary.
<b>4.2 Skin Contact:</b>	Wash with soapy water and wash off in flowing water or shower. If irritation persists, seek medical attention.
<b>4.3 Swallowing:</b>	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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**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).

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## 7. Handling and Storage

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**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.

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## 8. Exposure Controls / Personal Protection

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### 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.

**8.4 Eye Protection:** Wear Safety Glasses, Splash Goggles or face shield.  
Contact lenses should not be worn.

**8.5 Other Protective Equipment:** Not Required.

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## 9. Physical and Chemical Properties

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9.1 Molecular weight:	N/D
9.2 Specific Gravity:	2.5
9.3 Gas Density:	N/D
9.4 Vapour Pressure:	N/D
9.5 Solubility in water:	Water Insoluble
9.6 Percent Volatiles by volume:	Least
9.7 Evaporation Rate:	N/D
9.8 pH:	3.0 – 4.5
9.9 Sublimation Point:	N/D
9.10 Appearance, Odor and state:	Greyish white Granular, Odourless.

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## 10. Stability and Reactivity

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10.1 Stability:	Stable.
10.2 Incompatibility (materials to avoid):	Hydrofluoric Acid and strong alkali.
10.3 Hazardous Decomposition Products:	None
10.4 Hazardous Polymerization:	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.

<b>Inhalation Effects:</b>	Crystalline silica has shown to cause Silicosis and Lung cancer. Crystalline silica only causes these conditions when inhaled.
<b>Skin Contact:</b>	Prolonged skin contact may lead to drying or cracking of the skin due to the absorption of the moisture.
<b>Eye Contact:</b>	As with any dust, will be irritating to the eyes due to physical abrasion.
<b>Medical Conditions Aggravated:</b>	Respiratory Disorders.
<b>Occupational Exposure Limits:</b>	Studies have shown that the crystalline silica is evenly distributed throughout all particle sizes of this product. Keep dust levels below permissible limits.
<b>ACGIH TLV:</b>	0.1 mg/m <sup>3</sup> as crystalline silica
<b>ACGIH STEL:</b>	N/D
<b>OSHA PEL (respirable):</b>	N/D
<b>OSHA PEL (total dust):</b>	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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<b>Waste Disposal Method:</b>	Any disposal practice must be in compliance with local, state and federal laws and regulations (contact local or state environmental agency for specific rules).
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## 14. Transport Information

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

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## 15. Regulatory Information

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OSHA Hazard Communication categories: Irritant.

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## 16. Other Information

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**16.1 Additional Safety and Health Hazards:** Nothing particular  
**16.2 Notes to Physician:** None  
**16.3 Protective Clothing and Equipment:** Wear long protective clothing with an apron to keep dust off clothes.  
**16.4 Other Protective Equipment:** Wear appropriate clothing to prevent skin exposure.  
**16.5 Other Hazardous Conditions of Handling**  
**Storage and Use:** Avoid prolonged exposure to dust, esp. when loading. Masks are recommended.  
**16.6 Revision Date:** 10th February 2006  
**16.7 Revision Number:** 2

**Place:** Mumbai

**Signature:**