Volcano Girls[™] Shaped Pumice Stones

THE **PUMICE**

CHEMICAL ANALYSIS AND **PHYSICAL PROPERTIES**

Chemical Name: Amorphous Aluminum Silicate

TYPICAL ANALYSIS

- Silicon Dioxide: 76.2%
- Aluminum Oxide: 13.5%
- Ferric Oxide: 1.1%
- Ferrous Oxide: 0.1%
- Sodium Oxide: 1.6%
- Potassium Oxide: 1.8%
- Calcium Oxide: 0.8%
- Titanium Oxide: 0.2%
- Magnesium Oxide: .05%
- Moisture: <1.0%
- Crystalline Si0₂: None Detected

GENERAL PROPERTIES

- Appearance: White powder
- Hardness (MOHS): 6
- pH: 7.2
- · Radioactivity: None
- Softening Point: 900 degrees C
- Water Soluble Substances: 0.15%
- Loss on Ignition 5%
- GE Brightness: 84
- Specific Gravity: 2.4
- Reactivity: Inert

 (except in the presence of

(except in the presence of calcium hydroxide or hydrofluoric acid)

THE **BINDER**

CHEMICAL INFORMATION

Chemical Name: Sodium Silicate Solution

COMPOSITION

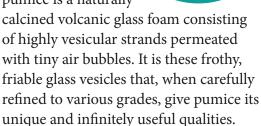
- Silicic Acid, Sodium Salt: 37.5%
- Water: 62.5%

GENERAL PROPERTIES

- Odor: None
- pH: Alkaline (11-12)
- Freezing Point: N/A
- Melting Point: N/A
- Boiling Point: 100°C
- · Soluble: In liquid form, in water

DESCRIPTION

Amorphous
(non-crystalline)
in structure and
composed
primarily of
aluminum silicate,
pumice is a naturally



Volcano Girls shaped pumice stones are made from the world's purest commerical deposit of white pumice, sourced from Hess Pumice in southeast Idaho, USA. Stones are formed under pressure using a water-based Sodium Silicate compound (less than 1%) as a binder, then heat dried.

SAFETY DATA

Pumice is abrasive and can irritate sensitive skin. Keep out of eyes and avoid breathing pumice dust. If inhaled, remove to fresh air. Flush eyes with copious amounts of clean water to remove irritant. Do not ingest.

Sodium Silicate may irritate eyes and skin. Flush with clean water to remove. Do not ingest.

