

VITA-EQUINE™

# StableMaxx



**PRODUCT NAME:**

**STABLEMAXX**

**UN Number:** None Allocated

**HazChem Code:** None Allocated

**Dangerous Goods Class & Sub-Risk:** None Allocated

**Poisons Schedule:** None Allocated

**IDENTIFICATION**

**Product Form:**

Fine pink sand

**Origin:**

Hard Rock Natural Ash Fall Tuff Deposit.

**Minerals Present:**

Main - Mordenite, Clinoptilolite  
Minor - Quartz, Feldspar, Montmorillonite.

**Composition:**

Sodium/Potassium/Calcium Alumino-silicates.

**Product Size:**

Nominally minus 1mm

**Particle Shape:**

Cubic to Blocky.

**Bulk Density:**

Circa 1200 kilograms/cubic metre.

**CHEMICAL CHARACTERISTICS**

**Chemical Formula:**

Typically  $(Na,K)_6(Al_6Si_{30}O_{72}) \cdot 20H_2O$  to  $Na_3KCa_2(Al_8Si_{40}O_{96}) \cdot 28H_2O$ .

**Chemical Stability:**

Excellent.

**Melting Point:**

<1000°C (may tend to froth and bubble at temperatures in excess of 200°C).

**Solubility in Water:**

Virtually Insoluble. Slurries readily with water.

**Vapour Pressure:**

Not Applicable.

**Vapour Density:**

Not Applicable.

**Volatiles:**

Nil.

**Flash Point:**

Not Applicable.

**Flammability:**

Non-flammable.

**Explosive Limits:**

Non-explosive.

**Auto ignition Temp:**

Not Applicable.

**Form:**

Powdered Solid.

**Specific Gravity:**

2.2 - 2.4 g/cm<sup>3</sup>.



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**HEALTH HAZARD INFORMATION****Human Contact**

- Eyes:** Very prolonged contact in high dust area may cause some irritation.
- Skin:** Prolonged contact may cause some irritation due to drying action.
- Inhalation:** No known effects, however, product is a fine dust and lung injury (silicosis) could be possible from excessive inhalation over an extended period.
- Swallowed:** No Known adverse affects. Product is used as animal feed supplement however it is not recommended for human consumption.

**HEALTH HAZARD INFORMATION (Continued)**

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**Precautions**

- Eyes:** Wear protective goggles if intrusion into high dust area is necessary.
- Skin:** Wash hands with soap and water. Use suitable skin protection cream.
- Inhalation:** Avoid dusty areas unless wearing suitable respirator. Stand on windward side of any temporary spills.
- Swallowed:** Wash hands well with detergent and water before consumption of food. Do not use as a medicine.

**First Aid**

- Eyes:** Flush with clean water for 5 to 10 minutes. If irritation persists seek immediate medical attention.
- Skin:** Wash affected area with soap and water and apply suitable skin protection cream. If irritation or rash persists seek medical advice.
- Inhalation:** Remove patient from affected area. Seek medical advice if symptoms persist.
- Swallowed:** If adverse effects occur seek medical advice.

**Advice to Doctor**

Base Material is non-toxic and chemically inert. It is however highly absorbent and could have a dehydrating effect if large amounts are ingested rapidly.

Electron photomicrographs have shown that particle shape is generally blocky and sub-rounded rather than sharp and shardy. Implications are that inhaled material would be less irritant than silica dust.



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## Precautions for Use

**Exposure Limits:** Crystalline alumino-silicate that could be classified as a nuisance dust with an exposure standard of 10mg/m<sup>3</sup> (same as Type GP Cement).

**Engineering Controls:** Use suitable means of dust collection/suppression so that airborne dust limits do not exceed the exposure limits. If respirable dust levels exceed industrial limit, use respirators suitable for inert crystalline dust.

## Personal Protection:

Avoid prolonged breathing of dust or prolonged contact of dust with skin. Persons with a history of respiratory illness or reduced pulmonary function should avoid areas with high dust levels.

## Flammability

No applicable.

## Environment

Other than respirable dust limitations no environmental hazards are known for this zeolite.

## SAFE HANDLING INFORMATION

### Storage and Transport

ROAD TRANSPORT:

Not classified as a Dangerous Goods

SEA TRANSPORT:

Not classified.

STORAGE:

Protect from moisture.

## Packaging and Labelling

No special requirements other than to prevent dust emission.

## Spills and Disposal

Avoid excessive exposure to dust. If dust grade material is spilt use respirator during dry clean up or alternatively hose down with water.

## Reactivate Data

Will react with HF acid. Possible mild reaction during contact with very strong oxidising agents.

## Fire/Explosion Hazard

Non flammable and non explosive.

***No warranty express or implied is made. This Product Safety Data Sheet is not a substitute for expert advice of development of engineering and safe handling practise.***



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