

Issued 26 September 2014

MATERIAL SAFETY DATA SHEET – EnviroPacs TM

PRODUCT NAMES EnviroPacs, EnviroPacs Natural Water Treatments
UN Number: None Allocated
Hazchem Code: None Allocated
Dangerous Goods Class: None Allocated
Poisons Schedule No: None Allocated
Uses: Natural water treatments for ponds, lakes, dams, aquariums. Beneficial bacterial & microbial substrates.

IDENTIFICATION Off white calico or jute bags of loose stones and clays

Minerals Present: Zeolite clinoptilolite, calcium/sodium montmorillonite, quartz, kaolinite and smectite clays

Composition: Sodium/potassium/calcium aluminosilicates, quartz, organic carbon, ammonium and trace elements

Product Size: 2 Kg bags, 100g bags

Chemical Formula: Typically $(\text{NaK})_6(\text{Al}_6 \text{Si}_{30} \text{O}_{22}) \cdot 2\text{H}_2\text{O} - \text{Na}_3\text{K} \text{Ca}_2(\text{Al}_8 \text{Si}_{40} \text{O}_{96})_{28}\text{H}_2\text{O} - \text{Al}_2 \text{O}_3 \cdot 4 \text{SiO}_2 \cdot 2\text{H}_2\text{O} - (\text{NaCa})(\text{AlMg})_6(\text{Si}_4 \text{O}_{10})_3 (\text{OH})_6 n(\text{H}_2\text{O}) - \text{SiO}_2$

Chemical Stability: Excellent

Melting Point: <1000 degrees C (some froth and CO₂ fumes at 200 degrees C)

Solubility in Water: Insoluble

Flash Point: Not Applicable

Flammability: Calico bag will burn if flame applied, contents non-flammable

Form: Granular solids

HAZARDS I.D. Non-hazardous substances. Non-dangerous goods NOHSC.

HEALTH HAZARD INFORMATION

Eyes: Some dust if contents exposed, may irritate eyes.

Skin: Prolonged contact with contents may cause slight irritation.

Inhalation: No known effects. If product contents are exposed from the calico packaging, fine dust present could cause lung injury (silicosis) from excessive inhalation over a long period.

Swallowed: No known adverse effects. Non hazardous substances used include zeolites used as animal food supplements, and clays used in pharmaceutical and cosmetic preparations for humans. Organic carbon sources within the mineral substrates are classified as non-hazardous substances.

Precautions: Handle in the calico or jute bags as packaged. Avoid breathing fine dust from contents if opened. Wash hands with soap and water after use or if contact with contents occurs.

First Aid: If inhaled, remove from contaminated area. If in eyes wash with copious amounts of water holding eyelids open. Seek medical treatment if swallowed or if symptoms develop.

FIRE FIGHTING MEASURES

Extinguishing media Carbon dioxide, dry chemical, foam, water fog

Combustion hazards Bags under fire conditions will emit carbon dioxide and black fumes. The mineral contents are not readily flammable. If heated to decomposition, organic carbon present in contents may result in release of carbon dioxide and carbon monoxide. Use suitable breathing apparatus.

HANDLING & STORAGE

Storage Store off the concrete floor in dry well ventilated areas out of direct sunlight. Protect from moisture. No special handling requirements for this product.

Spills Non-hazardous materials. Sweep up or shovel granular contents if outer calico bags are damaged and dispose of in accordance with local, state and national EPA requirements.

PHYSICAL & CHEMICAL PROPERTIES

Appearance -	Contents loose granules and clays
Stability –	Stable under normal conditions
Colour of contents -	Off white, cream
pH –	Not available
Vapour pressure –	Not available
Boiling/melting point -	Not available
Flash point –	Not available

TOXICOLOGICAL INFORMATION No toxicity data available for this product

SAFE HANDLING INFORMATION Road transport – Not classified as dangerous goods
Sea transport – Not classified
Storage – Protect from moisture

REGULATION INFORMATION Non hazardous materials. Not applicable.

Disclaimer: The information in this sheet is for general guidance only and believed to be correct. Enviro Water Technologies accepts no responsibility as to its completeness or accuracy. The information is supplied on the condition the receiver will determine its suitability for the purpose. It does not replace the advice of professional consultants.