

# Safety Data Sheet



## ENVIROCHAR ZEOCHAR

**PRODUCT NAME:** ENVIROCHAR - ZEOCHAR

**DATE:** 19/11/2019

### Chemical Product and Company Information

**APPLICATION RATE:** As per ENVIROCHAR P/L. advice

**COMPANY INFO:** ENVIROCHAR P/L.

**ADDRESS:** 103 Campbell Street, Tomago, NSW 2322

**CONTACT:** Ray Dagger

**PHONE:** 0411704990

**CHEMICAL NAME:** ZEOCHAR

**CHEMICAL FORMULA:** C - (Na,K)<sub>6</sub>(Al<sub>6</sub>Si<sub>30</sub>O<sub>72</sub>).20H<sub>2</sub>O to Na<sub>3</sub>KCa<sub>2</sub>(Al<sub>8</sub>Si<sub>40</sub>O<sub>96</sub>).28H<sub>2</sub>O.

**CHEMICAL FAMILY:** ZEOLITE-CARBON

**PRODUCT USES:** VAPOR, SOIL AND LIQUID FILTRATION-REMOVAL OF ALGAL BLOOMS

### Hazards Identification

Black powder, granules with no odour.

The primary concerns for occupational exposure are skin contact and inhalation in the form of dust.

The dust may cause eye irritation, slight skin irritation, and possible respiratory tract irritation that can cause coughing or sneezing.

### First Aid Measures

If poisoning occurs, contact the Poisons Information Centre (Phone 131126).

**EYES:** Immediately flush with large amount of water.

**SKIN:** Wash affected area with soap and water. Wash clothing.

**INHALATION:** Inhaled dust may cause irritation if allowed to dry

**INGESTION:** No Known problems.

## Exposure Controls / Personal Protection

**Respiratory protection:** Where airborne exposure is probable, use approved respiratory protection equipment suitable to the material.

**Skin Protection:** Avoid skin contact. Wear appropriate dust resistant clothing. Wash clothes and related equipment before reuse. Completely wash skin after handling.

Wear gloves and long sleeve shirts to prevent long term exposure.

**Eye Protection:** Safety glasses with side panels are required for any form of handling. Provide an eye flushing station nearby.

## Fighting Measures

**Ignition Temperature:** > 600 C

**Fire and Explosion Hazards:** When burned, hazardous products of combustion including oxides of carbon can occur. Irritating and/or toxic gases due to decomposition of the product may be generated during a fire. Contact with strong oxidizers such as ozone or liquid oxygen may cause rapid combustion.

**Extinguishing Media:** Dry chemical, water fog, foam or carbon dioxide.

**Fire Fighting Procedures:** Wear full protective clothing and approved self-contained breathing apparatus.

## Accidental Release Measures

**Leak or Spill:** When leaks or spills occur, clean up in a fashion that does not dissipate dust into air. Manage in accordance with good industrial hygiene and safety practices such as avoiding unnecessary exposure and removal of material from skin, clothing and eyes.

## Handling and Storage

**Storage:** Product shall be stored in sealed containers in dry, well ventilated area away from ignition sources, combustible materials, and heat.

**Handling:** Avoid contact with eyes and skin. Avoid scattering of dust into air and breathing of dust. Keep containers dry and closed. Wash skin thoroughly after handling.

## Exposure Controls / Personal Protection

**Respiratory protection:** Where airborne exposure is probable, use approved respiratory protection equipment suitable to the material.

**Skin Protection:** Avoid skin contact. Wear appropriate dust resistant clothing. Wash clothes and related equipment before reuse. Completely wash skin after handling.

Wear gloves and long sleeve shirts to prevent long term exposure.

**Eye Protection:** Safety glasses with side panels are required for any form of handling. Provide an eye flushing station nearby.

## **Disposal Considerations**

Recover, reclaim or recycle when practical. Bio Char is not classified as a hazardous waste (Bio Char used to adsorb hazardous substances may become hazardous due to the chemicals it has adsorbed).

Dispose of in accordance with federal, state and local regulations.

This product may be disposed at a waste management facility.

Appropriate volumes may be applied onto a suitably vegetated land area away from drainage zones or watercourses

## **PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** ENVIROCHAR BIO CHAR is a moist, black organic, charcoal granule. Size of particles range from a fine grained granule of 12mm irregular chip.

**Solubility in Water:** Product is a mixture of coarse and fine organic substances. Some of the fine material is soluble in water, most of this material is not soluble.

## **STABILITY AND REACTIVITY**

**Chemical Stability:** Stable under normal environmental conditions.

**Condition's to avoid:** Excessive heat with dry product may self-combust.

**Incompatible materials:** Chlorine; Acids; Ozone; Liquid oxygen.

**Hazardous reactions:** Avoid exposure to acids.

## **TOXICOLOGICAL INFORMATION**

**Toxicological Data:** No toxicological data is available. There are no substances of toxicological significance contained in this product.

## **TRANSPORT INFORMATION**

Special transport conditions are required as this product is classified a Dangerous Good under the Australian Code for the Transport of Dangerous Goods (A.D.G.).

Transport product in a vehicle that will sufficiently contain a free-flowing product.

Always cover loads to prevent free ventilation flowing.

Always wear suitable personal protective equipment when unloading or tipping.

Keep the material away from all pedestrians, operators or anyone who may be directly or indirectly exposed to dusts that may become airborne from the handling of this material.

## **OTHER INFORMATION**

This SDS is an overview at the date of issue about the chemical, physical and biological properties of this product, safety hazards of the material and general guidance on how to safely handle the material in the occupational and natural environment.

As ENVIROCHAR P/L. cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, attain application instructions from ENVIROCHAR P/L. or seek professional advice and acknowledge the duty of care that is required when purchasing product or complete nationally accredited training on how to best prevent, manage and control the potential risks arising from the use of this material before purchasing this product. When further technical information is required about the information in this Safety Data Sheet, please contact ENVIROCHAR P/L.