



# Carbon Footprint Solutions Pty Ltd

“ little steps....BIG impressions”

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## Technical Data Sheet

### PRODUCT: CFS-MTA 01 POWDER (Multi-Tasking Agent)

#### DESCRIPTION:

**CFS-MTA 01** provides a composition for efficiently and effectively removing waste water particles and suspended solids in waste water or sludge by enhancing the binding and efficiency contact between the composition and the waste water particles. It provides a cost effective composition for treating waste water which is able to reduce production of sludge and has a shorter retention time.

Accordingly, the aforesaid can be achieved by following the embodiments of **CFS-MTA 01**. **CFS-MTA 01** relates to a composition for treating waste water comprising, by weight percentage, Bentonite, Aluminium Sulphate ( $Al_2(SO_4)_3$ ), Ceramic powder, Chitosan and Calcium Carbonate ( $CaCO_3$ ).

**CFS-MTA 01** works on the principle of ionic conversion of waste water particles wherein the waste water particles are converted into negatively charged ionic compounds by the composition. As ionic compounds are usually formed from a metal combining with a non-metal, they have opposite charges and will attract each other to form a new compound.

The colloidal particles in the waste water may have electrical properties which prevent agglomeration and settling. **CFS-MTA 01** is introduced to the waste water to neutralise the electrostatic charge so to induce flocculation and precipitation. This ensures the agglomerated settlement as a result from the reaction between the composition and the waste water particles can be handled properly. **CFS-MTA 01** differs from the existing chemicals used in that the composition is of natural minerals freely available from nature and is organic in nature. As the composition is natural occurring, there will be a minimal or zero side-effect from its usage to humans, animals and living things.

#### SPECIFICATIONS:

<b>Classification:</b>	Solid (Powder)
<b>Colour:</b>	White Grey
<b>Odour:</b>	Odourless
<b>Flash Point:</b>	Not Flammable
<b>Boiling Point:</b>	> 100°C
<b>Solubility in Water:</b>	Perfect Dissolution

**Biodegradable:** 100%

**HMIS Rating: Health Hazard – 2; Fire Hazard – 0; Reactivity – 0; Personnel Protection - E**