

# GreenHome

100% Biodegradable  
Food Containers

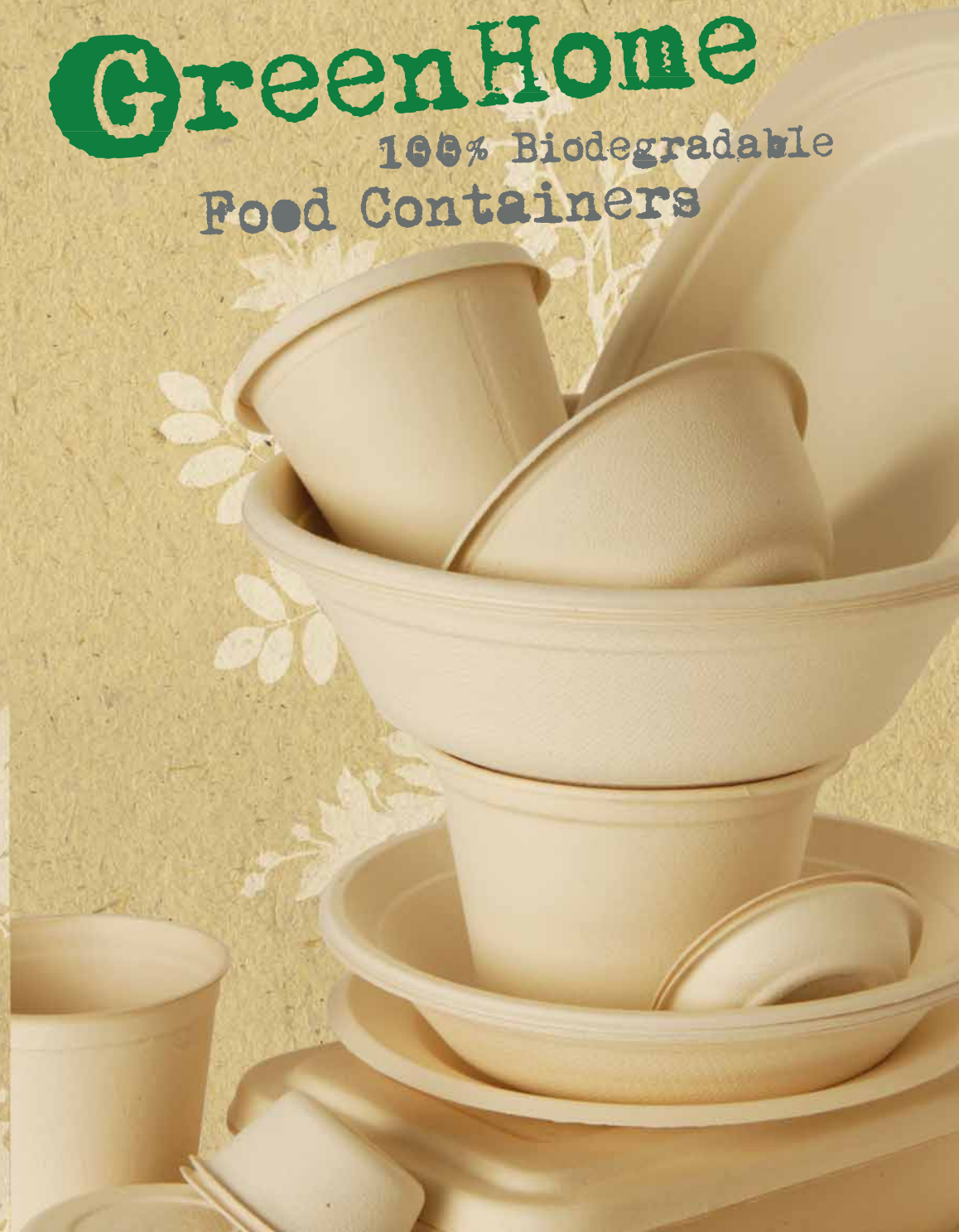
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## Green Home

We supply compostable food catering products. All of our products are made from cellulose and plant waste material. After use, our product can be placed in a compost bin and will completely biodegrade into water, CO2 and compost.

Green Home's biodegradable products are designed to replace conventional petroleum based non-biodegradable (e.g. polystyrene, clear plastic and wax lined) disposable food catering products. Unlike conventional plastic packaging, our products are 100% food safe meaning there is no risk of our products emitting toxic-residue and carcinogens.

## Biodegradability

In order for products to biodegrade they require optimum composting conditions e.g. compost bin, wet soil, fresh water, seawater, or activated sludge where microorganisms exist. Products are broken down by bacterial content, returning the material to basic elements used in the natural environment.

Unlike conventional catering products, our tableware can also be disposed of through incineration. Only non-toxic smoke is emitted and a white residue is left after burning, which can be used as fertilizer.

All products are stable in the atmosphere and have a long term shelf life.

Green Home is a supplier of two main categories of biodegradable, compostable food packaging products, namely Bagasse (or sugarcane pulp) and Bioplastic.

## Bagasse

Bagasse is a by-product of the sugarcane industry. Bagasse is the pulp that remains after sugarcane stalks are crushed to extract their juice.

Bagasse products are suitable for all hot and cold food and are water and oil resistant. They are microwave safe and heat resistant - up to 100 Deg C in hot water and up to 120 Deg C in hot oil. Products are also freezer or refrigerator friendly and will maintain their shape for at least 2 days.

Bagasse is an ideal material for hot food containers. See our catalogue for more details.

## Bioplastics

Bioplastics are plastics derived from edible and non-edible plant sources such as hemp, soy bean and corn starch. Progress in bio-technology has led to the development of these biodegradable plastics which look and feel exactly like conventional (petroleum based) plastic.

## Plastarch Material (PSM) Starched Based Bioplastic

PSM is composed of modified cornstarch combined with several other biodegradable materials. The cornstarch is modified in order to obtain heat-resistant properties, making PSM one of the only bioplastics capable of withstanding high temperatures of up to 125 C.

These properties make PSM ideal for utensils. See our catalogue for more details.

## Polylactic Acid (PLA)

Polylactic acid or Polylactide (PLA) is produced from corn starch or sugarcane, or other starch-rich agricultural by-products such as maize or wheat. PLA is a highly versatile material and can be converted into a variety of products.

PLA is used in both our cold and warm food containers.

For a full product range please visit our website [www.greenhome.co.za](http://www.greenhome.co.za) or contact Green Home.

