

The World's First Biodegradable, Recycleable Jug

In yet another ground breaking development **Onion Media** are the first company to create the first biodegradable plastic jug. Incorporating the biodegradable additive **EcoPure** we have made a jug with all of the attributes, strength and performance of a regular plastic jug that can be reused and will last indefinitely but with the capacity to biodegrade, only in a microbial rich landfill environment. As well as being totally biodegradable, it can also be fully recycled.



How Does it work?

Plastics are formed from long, very strong polymer chains. That is why the vast majority of plastics don't biodegrade and can remain in the environment for generations.

When **EcoPure** is added to plastic it allows it to break down but only when placed in a microbe rich environment, such as a landfill or compost facility. Once there, **EcoPure** begins its work. It allows microbes to break down the polymer chains in the plastic into organic matter that they can feed on. It does this by expanding the molecular structure of the plastic, cutting the polymer chains, and adding in nutrients that attract the microbes so they colonise the plastic. These microbes secrete acids which further break down the long molecules.

Like any organic material that is biodegraded, the plastic will create by-products, most of which are useful, including humus, used to make soil richer, and methane, which can be extracted and used as fuel. In fact, landfills all over the world are beginning to tap the methane from the natural breakdown of organic materials to reduce our over dependence on fossil fuel.

Biodegradable

Made with **EcoPure™** additive and will biodegrade in a microbial active landfill environment.

Recycleable

This jug is made from Polystyrene (PS) and is fully recyclable.

Reusable

This jug has the same strength and useful life as a normal PS jug.

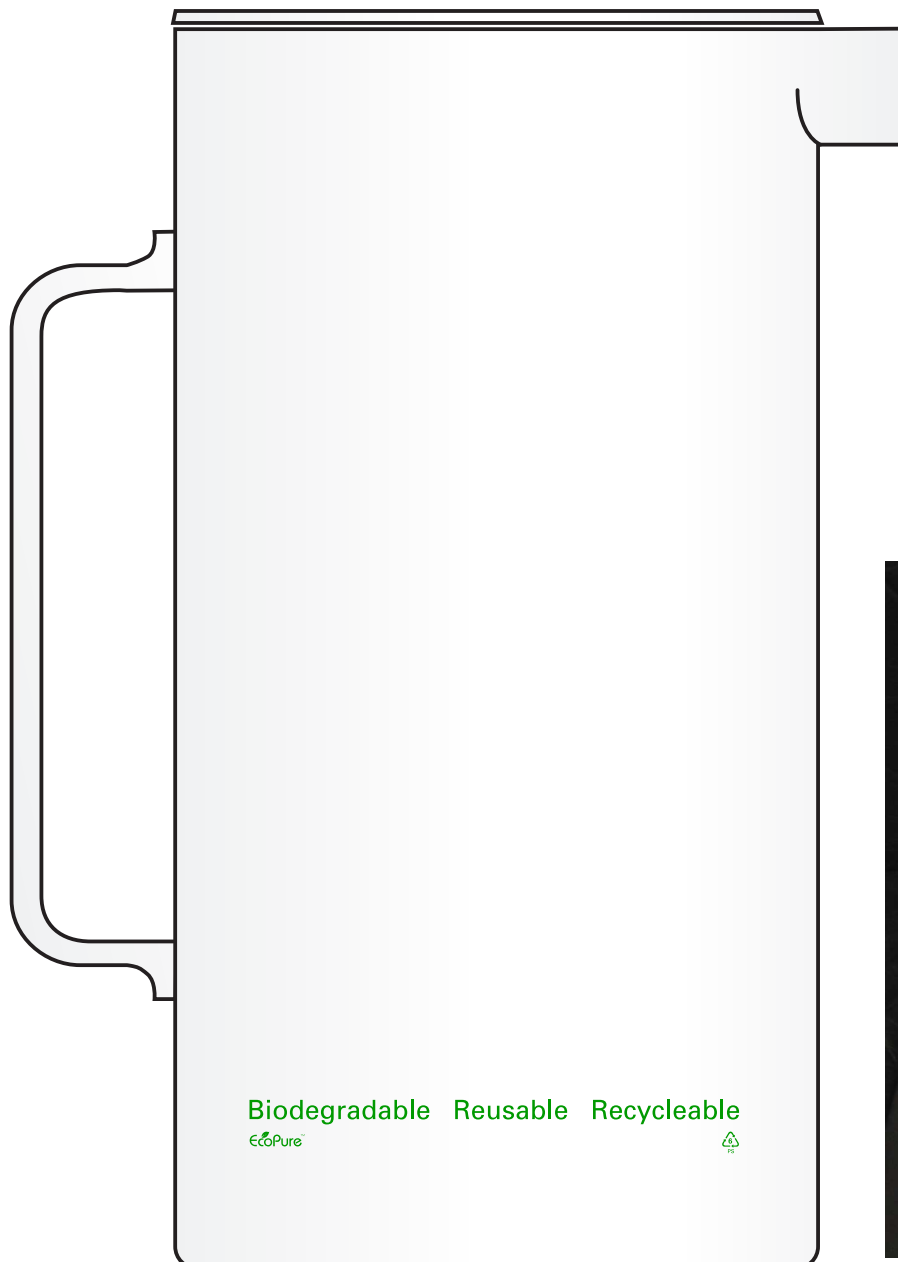
Size: 2 Litres



Onion Media

Biodegradable Reusable Recycleable

EcoPure™



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