



FREQUENTLY ASKED QUESTIONS



Your Planet. Your Choice.

What does EcoLogic® do?

EcoLogic® owns, manufactures and markets Eco-One® brand of additives for plastic products worldwide. Eco-One is an organic additive which renders traditional plastic biodegradable in landfill environments.

Are these products the same as starch- or sugar-based plastics (PLA, PHA, PHB, etc.)?

No. Eco-One-based plastics are not similar to corn or sugar based plastics in their properties, how they function, or how they biodegrade.

Is the plastic with Eco-One the same as oxo-degradable plastic?

No. Oxo-degradable plastics require oxygen and UV light or heat to initiate degradation and thus will not biodegrade in landfills. Products using Eco-One do not require either UV light or oxygen to biodegrade and will biodegrade at any depth in landfills.

Does Eco-One affect the recycle-ability of currently recyclable products?

No. There is no change in intrinsic viscosity of the plastic after adding Eco-One, therefore, products with Eco-One will not affect the recycling stream.

Is your organic additive FDA compliant?

Yes. Our additive is FDA-compliant for contact with food in polystyrene (PS), polyolefin (all polyethylenes and polypropylenes) and polyethylene terephthalate (PET) applications.

Do Eco-One and/or products made with Eco-One have a limited shelf life?

No. Unlike both PLA and Oxo products, Eco-One has a very long shelf life and products made with Eco-One have the same shelf life as they would have had without Eco-One.

Does Eco-One have any special storage requirements?

No. Unlike PLA or Oxo, Eco-One does not have special storage requirements

Do you have any test data validating biodegradation from independent laboratories?

Yes. We can furnish all testing results. Please contact us.

How do products containing Eco-One biodegrade?

For details, please go to www.ecologic-llc.com and check-out our “How It Works” section.

How long does it take these products to biodegrade in landfills?

This will depend on the amount of Eco-One in the product, the conditions of the landfill and the thickness and composition of the product. The average landfill is a very good environment for biodegradation because it is warm, moist, and full of soil micro-organisms and food waste that cause the micro-organisms to eat the plastic. ASTM D5511 tests (representing biologically active landfills) carried out for durations ranging from 1 to 12 months, on a broad category of product containing Eco-One have show excellent biodegradation rates. It is important to note that biodegradation will begin and will continue leading to significant bioassimilation, shortening the time span the plastic would have occupied the landfill space from hundreds of years to several years.

Are any of the ingredients in the additive harmful to people or to the environment?

No. Our additive is 100% organic and is in compliance with FDA standards for contact with food.

Will active microbes in food (meat, cheese, etc.) or lawn care products start the biodegradation process in normal storage conditions such as a warehouse or store shelf?

No. Eco-One attracts oleophilic bacteria (oil-eating bacteria) that are present in landfills. The active microbes in food or dairy products or lawn care products are not oleophilic and not the “super” colony microbes you find in landfills, composting sites or waste water sludge plants.

What types of products or applications is Eco-One suitable for?

Eco-One can be used for most types of flexible, non-rigid and rigid applications. Eco-One has been proven to be effective in products ranging from plastic bags to food packaging including containers to fiber used in textiles to shoe soles. Eco-One can be incorporated in most plastics that can be extruded, molded, thermoformed, spun, foamed, laminated etc.



Build a greener future.

For more information, contact:
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Proud members of National Recycling Association, Flexible Packaging Association and Project Network Members of EPA's Global Methane Initiative.

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