

EcoSolution™ Plastic Bags: THE BETTER CHOICE

What does it mean to be biodegradable? A product that is biodegradable will have the ability to be decomposed by living things or bacteria. Oxo-Biodegradable Plastics falsely claim to be biodegradable, while their plastic bags actually cause real harm to the environment.

Why are Oxo-Biodegradable plastic bags not biodegradable? Oxo-Biodegradable Plastics use additives to create a “degradable” polymer in their bags. These additives use chemicals to break down the polymers, which oxidize to create fragmented plastic. This reduces the leftover plastic into tiny particles that don’t visually pollute the environment.¹ These particles are claimed to eventually biodegrade, but Oxo-Biodegradable Plastics have not provided any scientific evidence to back up their claims.

Why are Oxo-Biodegradable plastic bags bad for the environment? Because Oxo-Biodegradable plastic bags do not fully biodegrade, they leave behind harmful heavy metals and microplastics that absorb into the ground. They have a shelf life and can begin breaking down early while in storage if exposed to light and heat. They cannot be recycled or reused.

What is the better choice? EcoSolution Plastic Bags are the most environmentally friendly plastic bags on the market. They are manufactured with an additive that allows the plastic to effectively biodegrade* in most conditions without harming the environment. These bags leave behind soil and biogases, have an indefinite shelf life and can be recycled at any time unlike OXO-Biodegradable plastic bags, making them the better choice at a better price.

Material Comparison Chart

	EcoSolution	OXO-Biodegradable
Biodegradability		
Biodegradable on land/in water	✓	✗
Biodegradable in landfill	✓	✗
Recyclable		
100% recyclable at any time	✓	✗
Compatible with the recycle stream	✓	✗
Physical Properties		
No special storage conditions	✓	✗
Shelflife indefinite	✓	✗
Not degradable with exposure to light, heat or extreme stresses	✓	✗
Performance		
No UV or antioxidants additives needed	✓	✗
Physical properties unchanged from original plastic material	✓	✗

* 49.28% biodegradation in 900 days under non-typical conditions. No evidence of further biodegradation.

¹Oxo-degradable Plastic Packaging is Not a Solution to Plastic Pollution and Does Not Fit in a Circular Economy, New Plastics Economy

