



AAkron's **SAFE Plastic**® contains an additive that makes our manufactured plastic products biodegradable. Information about the additive is listed below:

- It is estimated that over 20 million tons of plastic products were placed in US landfills in 1995 alone.
- It is important to note that less than 5.3% of that total is being recycled. (This information is based on the US Environmental Protection Agency's report #EPA530-R-97-015 dated June, 1997)
- Petrochemical plastics would normally take from 100 to over 500 years to "biodegrade." With this additive, these same plastic formulas biodegrade in a hundredth of that time or less.
- Rates of degrading will vary based on conditions, thickness of plastic, etc.
- Plastics manufactured with these additives will fully biodegrade in home compost heaps, commercial composting operations (both high heat and low heat, vermiculture, process), buried in the ground, buried in landfills, tilled into the soil, having been littered, etc.
- We certify the biodegradation of polyolefins (any of the polyethylenes and polypropylenes) and EVAs, manufactured with at least a 1% load of these additives. This is based on more than 8 years of testing worldwide by the manufacturer, universities, customers, prospects, and competitors. Independent laboratories and scientist have also performed tests on these additives.
- Plastic products manufactured with these additives will have the same life expectancy as the same plastic products manufactured without these additives under all conditions except under conditions where the product is in constant contact with other material that is biodegrading. For example, a shampoo bottle or motor oil bottle manufactured with these additives will last in the warehouse and on the store shelf as long as it would without these additives.
- The additive is made only from FDA recognized materials and processes regulated according to 21 CFR 175.300, 177.1200, 177.1350 and other sections and is compliant for use in applications with food contact.
- Products can be marketed as "biodegradable" because they will biodegrade aerobically or anaerobically and without the need for additional reaction to heat, light or physical stress and therefore will biodegrade wherever there is other biodegradation occurring.
- Plastic products manufactured with this additive can be recycled by both the manufacturer in their internal scrap regrind recycling and in post-consumer recycling programs.
- No toxic residue
- This additive is not known to contain hazardous materials as outlined by current OSHA regulations and is CA Proposition 65 compliant.
- Materials Safety Data Sheets and lab test results are available upon request.

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