

# Simply Green



VCI plastics for recycling



Carbide tools for recycling



Machine fluid drip pads

PREBLE COUNTY SOLID WASTE DISTRICT

TimkenSteel's products:

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Fact— In recent years, TimkenSteel achieved a recycling rate as high as 96%!



## TimkenSteel's Recycling Program Benefits the Environment

As writer of these Simply Green recycling inserts for the Preble County Solid Waste District, I have gotten to visit many Preble County businesses and industries and have had the opportunity to discover how those businesses help the local environment by recycling and producing less waste.

An employee of TimkenSteel in Eaton suggested that I visit their facility since she was excited about their past recycling efforts. So on May 4, 2015 I got to tour the plant at 401 Industrial Drive and see for myself what efforts Timken makes to protect and preserve the planet through recycling and lower waste production strategies. I met with Aimee Kral, an analyst of operations for the facility and asked her questions to familiarize myself with Timken and their recycling practices.

I asked Ms. Kral about the products that TimkenSteel makes. She told me that they make steel parts for the automotive and industrial sectors in America and world-wide. They specialize in producing customized alloy steel bars and seamless mechanical tubing. The facility provides cost-effective raw material and value-added conversion operations for semi-finished and finished

steel components. They offer quality steel parts (i.e., bearings, engine, transmission, and drive system components) to consumers at the lowest possible per unit price giving customers the most value for their financial investment.

Ms. Kral said that Timken's commitment to the environment includes both recycling and waste reduction strategies. The goal is to reduce waste going to the landfill. The corporate office has set an aggressive goal for the facility to only be sending 5% of its waste to the landfill. As of the end of April 2015, Timken has shown it's well on it's way to achieving this goal as the plant has an 88% recycling rate of everything produced except machine turnings and those are recycled within the larger corporate infrastructure. Ms. Kral says that she is perhaps the most proud of the overall culture of recycling at the plant, that Timken employees have a strong commitment to environmental health and safety (EHS) overall. "The employees put things where they need to go, plastics, steel etc. The employees live recycling everyday because the corporation encourages it so much." Timken has recycling containers all over the plant, on the production

floors, in all the office rooms and the break areas. The facility recycles carbide material from its tool steel and even the tool packaging. They also collect electronics and batteries for recycling as well as the standard recyclables such as plastics, cardboard and office paper. They reclaim chemicals used in their production systems by sending drip pads that collect machining fluids to be processed for anything that can be reused after absorption. Coolants, oils, grease and other machine drippings are collected in barrels to be recycled. The drums that the chemicals come in even get recycled. Wastewater from their processes gets collected in a storage tank for recycling and this wastewater is stored inside the building. Wood and cardboard gets recycled after it is hauled away from its collection hopper. Furthermore, the company has invested in LED lighting wherever possible and recycles its used printer cartridges from its offices. The plant has recently worked with a third party to find a way to recycle the volatile corrosion inhibitor coated (VCI) plastic film that metal parts get shipped in. This material has historically proven to be hard to recycle but Timken has found buyers willing to purchase this mate-

According to Ward Timken Jr., CEO, Timken's environmental policy commits to:

- Following all mandated EHS laws and regulations and they require the same compliance from their suppliers in turn.
- Making EHS performance a priority in all business operations and planning and decision making processes by being guided by their core values to do what's right.
- Expecting employees to always conduct their work safely and responsibly through extensive training and education.
- Promoting diligence in identifying and assessing potential risks and hazards that can affect environmental, health and safety performance and to taking quick corrective action when necessary.
- Supporting environmental sustainability through pollution prevention, waste management, recycling, energy conservation and the use of energy saving products.
- Measuring and assessing their progress toward EHS goals and communicating regularly about these goals to stakeholders.

Timken has set a goal of getting as close to zero waste as possible. They are to be praised for their ongoing recycling efforts.  
—Beth Wright, PCSWD

4499 US Rt. 127 South  
Eaton, Ohio 45320

937-456-6880

Call us for residential/business  
recycling questions.

WWW.preblecountyrecycles.org

"Green Earth, Clean Earth."



## Celebrate Dad and the Planet! Tips for a Green Father's Day.

Father's Day is around the corner, and since we know some super eco-friendly dads out there, it seems like a great time to find a few more ways to celebrate the men in our lives while showing some love for our environment. Here are some ideas to show dad you care about him and the world he helped bring you into!

### Hit a local trail or park.

What better way to fit in some dad bonding time than in the great outdoors? Check out a nearby rail trail with Rails-to-Trails Conservancy's trail finder, visit a National Park, or make it a tradition to plant a Father's Day tree!

### Get green on the green.

Recycled tees and eco balls make perfect gifts for golf-enthusiast dads. Plus you can find tips online for keeping Dad's next game green, clean and sustainable.

For example, walk the course instead of using a golf cart and recycle your waste at the course if containers are available, if not, recycle your waste at home through curbside recycling.

### Is Dad more into angling?

Encourage your dad, uncles, and grandfathers alike to use a vintage fishing pole rather than a brand new model. Better yet, do some legwork for him and scout out some great finds on Craigslist or Ebay. Impress your father and friends with your knowledge of sustainable fishing and fair access to fish. Such as, don't waste the fish you catch and don't exceed your limit.

### Give the gift of solar.

For gadget loving dads, hand-cranked or solar powered chargers are perfect for cell phones, mp3 players, and laptops on the go and on the next family camping trip.

### Green Dad's gym routine.

If physical fitness is on your

Dad's to-do-list, outfit him with some eco-friendly workout clothes or a reusable water bottle.

### Fire up the Father's Day grill.

Father's Day and grilling go hand in hand-so hit up your local farmer's market for some local, organic veggies which are sustainably grown.

### Help Dad ditch disposables.

Despite the juice needed to power them, electric razors are a greener choice than disposable ones-and a solar charged razor is even better. Look for a trusted brand when shopping for a new razor, since lasting power is key.

### Share a "green" brew.

Nothing beats sharing a cold one with Dad on his special day. Find a great local and organic beer and research how you can green your brew (buy glass bottles since glass is more eco-friendly to recycle than aluminum) or you can learn to brew your own year round.



Article information  
found on:  
Www.earthshare.org

## Eco-Friendly Lawn and Garden Care

A lot of lawns are anything but "green". American homeowners use a lot of toxic chemicals on their lawns- up to 10 pounds of pesticides per acre. When it rains, pesticides are flushed into local streams, rivers and lakes, harming fish and plants along the way. Here are some tips to make sure your grass looks great-and is safe for pets, children, and other living things.

### Choose the right mower.

Use an old fashioned rotary mower for small yards, an electric mower over a gasoline powered one, or find a battery powered mower that utilizes battery packs that

can be recharged. When choosing a battery powered mower, however, be aware that batteries generally last only about five years and the batteries contain heavy metals which must be disposed of in a hazardous waste facility. There is an HHW trailer that would accept these batteries at the Preble County Landfill free of charge.

### Mowing and fertilizing.

Mow only as often as you need. This means cutting your grass no lower than 2.5 inches; keeping many grasses as long as 3.5 inches is ideal for discouraging weed growth. Longer grass retains water better.

### Use natural fertilizers or compost.

They release nutrients slowly throughout the year, won't leach away, and support the variety of soil organisms that combat diseases.

### Choose a lawn care company that utilizes "natural" yard management practices.

That is, one that doesn't use heavy chemical treatments.

### Leave grass clippings on the lawn after you mow.

This provides your lawn with a natural, free source of nutrients, or compost the clippings for use in your garden.

### Use less water on your yard.

Water deeply but infrequently. Grasses do better when the whole root zone is watered and then dries out between watering. Avoid frequent shallow watering causing poor root development. Overwatering promotes lawn disease. Water early in the morning, when temperatures are cooler to minimize evaporation.

### Check your sprinkler system regularly.

Adjust so that only your lawn is watered, not the house, sidewalk or street.

### Collect and use rainwater.

Water your garden using a rain barrel: direct downspouts toward vegetation.