

# Artificial Turf Concerns

## Infills



- Tire crumb contains chemicals that are known to be hazardous to human health and the environment
- Other infills can also contain chemicals of concern

## Other Materials



- Toxic chemicals have been measured in artificial grass fibers
- Shock pads can be made with chemicals of concern
- Maintenance may require application of hazardous antimicrobials

## Heat



- On summer days, artificial turf temperatures have been measured over 150 degrees F
- Can burn skin and increase the risk of heat-related illness among athletes

## Disposal



Photo by Cameron Clark

- In most cases artificial turf cannot be completely recycled
- Most turf and infill is not recycled
- Most waste artificial turf goes to landfills

## Environment



- Synthetic particles migrate into the environment, contributing to microplastic pollution
- Replacing natural grass reduces habitat for small organisms

Find more details on our research at: [www.turi.org/artificialturf](http://www.turi.org/artificialturf)



**Safer Alternative? Natural grass managed organically.**

Visit: [www.turi.org/organicgrass](http://www.turi.org/organicgrass)

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