

Levi Tichi
Fluorocarbon to Eco-Friendly

The purpose of my project was to create a unique and environmentally friendly ski wax. Most ski waxes use a substance called fluorocarbon which causes health and environment problems. If you take in too much fluorocarbons or PFC (perfluorocarbons) it can cause variations of tumors, neonatal death, and toxic effects on immune system, liver, and endocrine system. PFC's are considered to be a non-biodegradable hazardous substance and also a potent greenhouse gas. If a certain amount of C20-24 is added to a hydrocarbonated based wax, then the melting point of the wax will be lowered, allowing to create a rub on or spray on wax, because of the chemical compounds and structures of the combination of the two substances. I added a substance called C20-24 to an environmentally friendly ski wax. C20-24 is used in oil and gas companies, and is a biodegradable, non-hazardous substance. The wax that I have constructed is not only eco-friendly but it is also the only wax of its type in the world.