

From: Mary M Zakrasek
Sent: Thursday, May 24, 2018 11:54 PM
To: Turf, Synthetic@OEHHA
Subject: Synthetic Turf Meeting – question

Hello,

The question I'd like to ask is about toxins.

Typically, each toxin is studied for what its individual toxicity might be.

But, studies have found that there are *synergistic* relationships such that one toxin can make others more toxic.

Example:

In [this study](#), the synergistic relationship between lead (0.01mg/L), mercury (0.001mg/L), cadmium (0.005mg/L) and arsenic (0.01mg/L) were looked into. Individually the dose is considered very low and safe for the mice. Although when they are combined, it "induced toxicity to the brain, liver, and kidney of mice."

Is this being taken into consideration?

Thank you,

Mary

Mary Zakrasek, Ph.D.