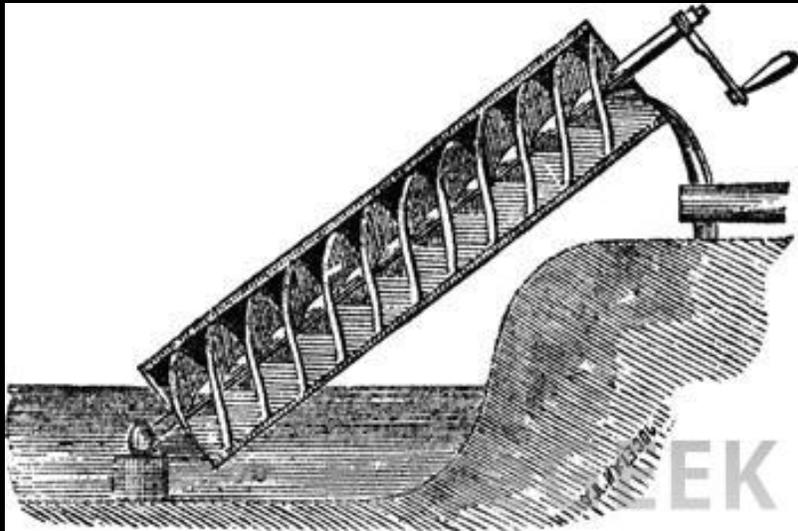
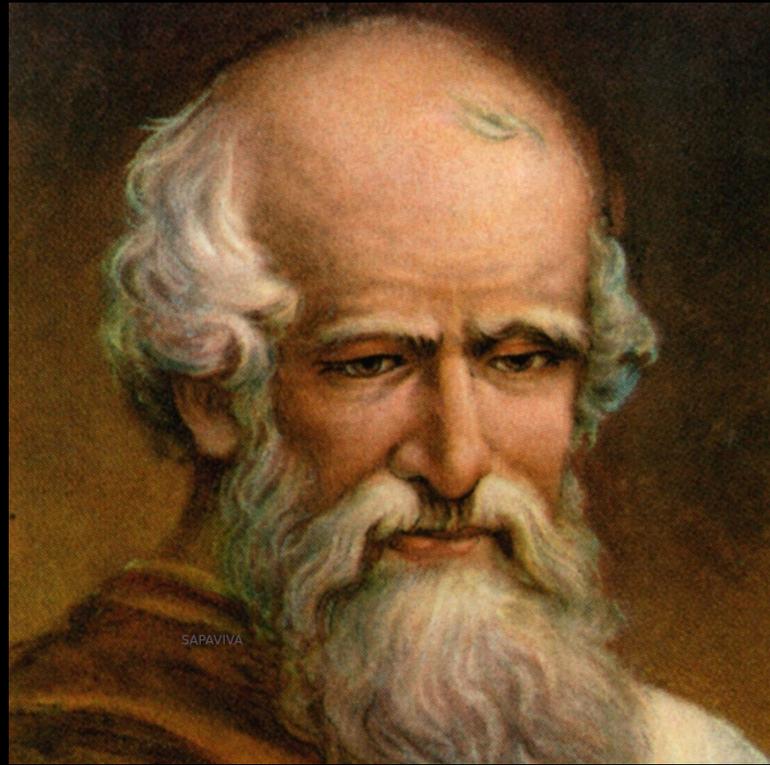


Mind in the Gutter: Radically Rethinking Stormwater

Joe Charbonnet, PhD
CWEA P3S Conference
February 11, 2019





LIVE



STORMWATCH

Severe Flooding

SUN VALLEY

12:52 55°



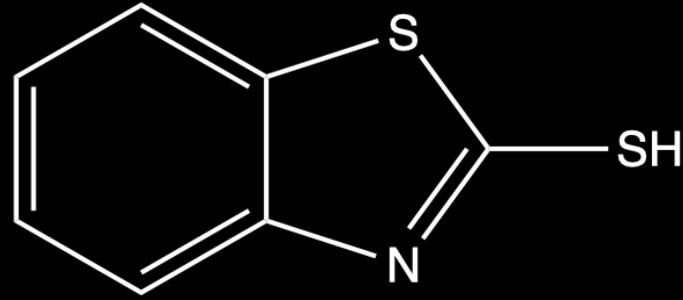
COMMUNITIES (UNTIL 4am FRIDAY) DAMAGING SURF FROM ASTRONOMICAL HIGH TIDES AND STO

**February 17, 2018
Sun Valley, Los Angeles**





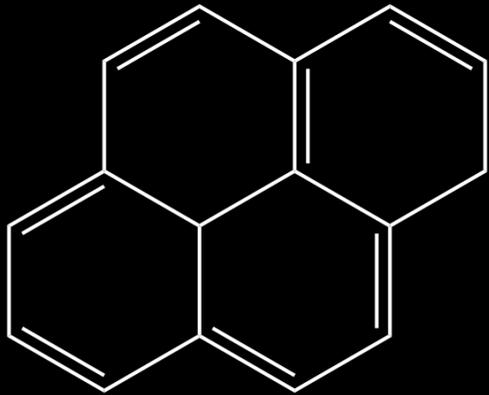
Diuron
Herbicide



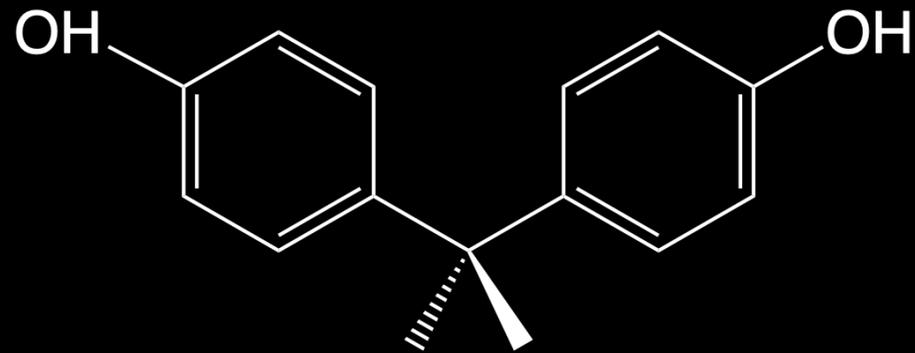
Mercaptobenzothiazole
Tire Wear Product

Pb

Lead
Legacy Soil Contamination



Pyrene
Auto Exhaust Product



Bisphenol A
Plasticizer

Cu

Copper
Break Wear Product



Man Sand

Man Sand

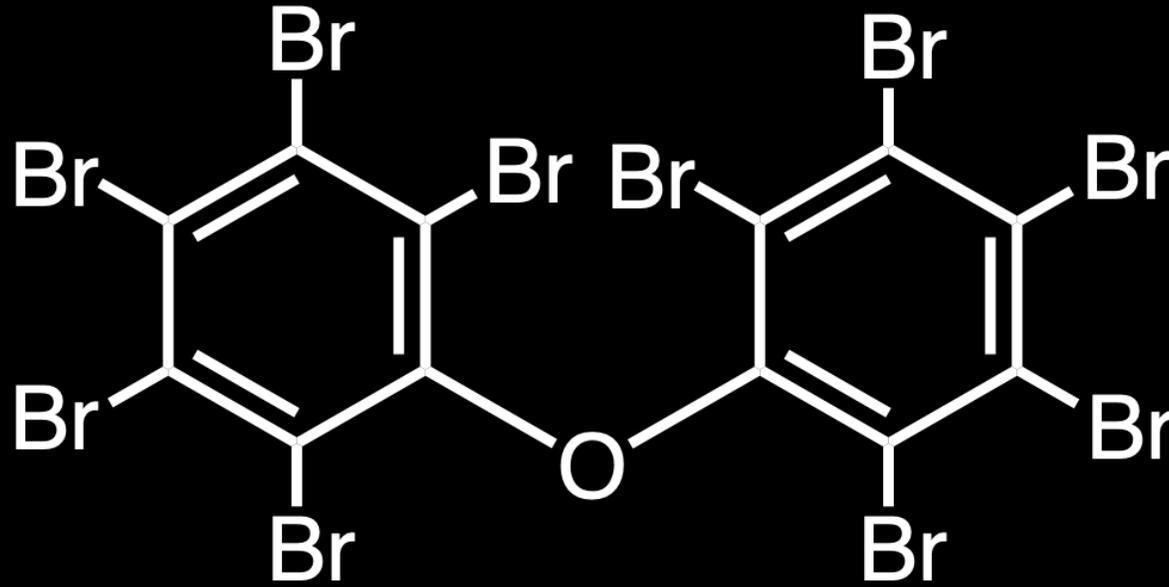
Man Sand

JAN
M.G.



**Rory Shaw Park, 2025
Sun Valley, Los Angeles**

Source Control



Decabromodiphenyl ether

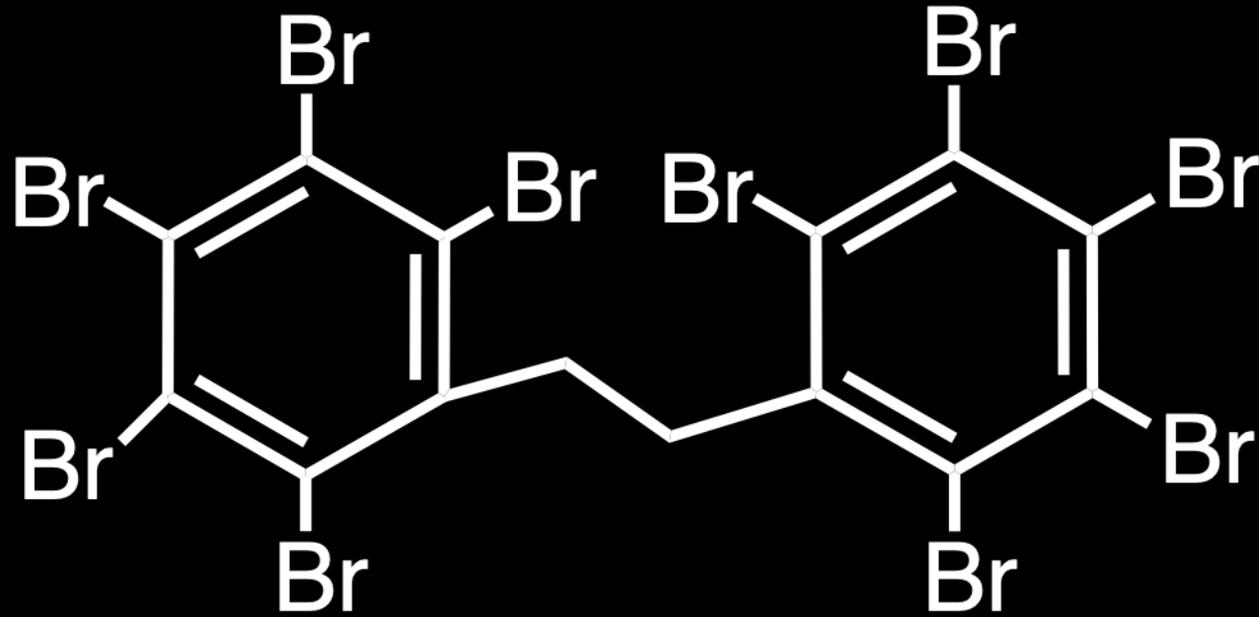
Concerns:

- Persistence
- Bioaccumulation
- Toxicity



**Rory Shaw Park, 2025
Sun Valley, Los Angeles**

Source Control

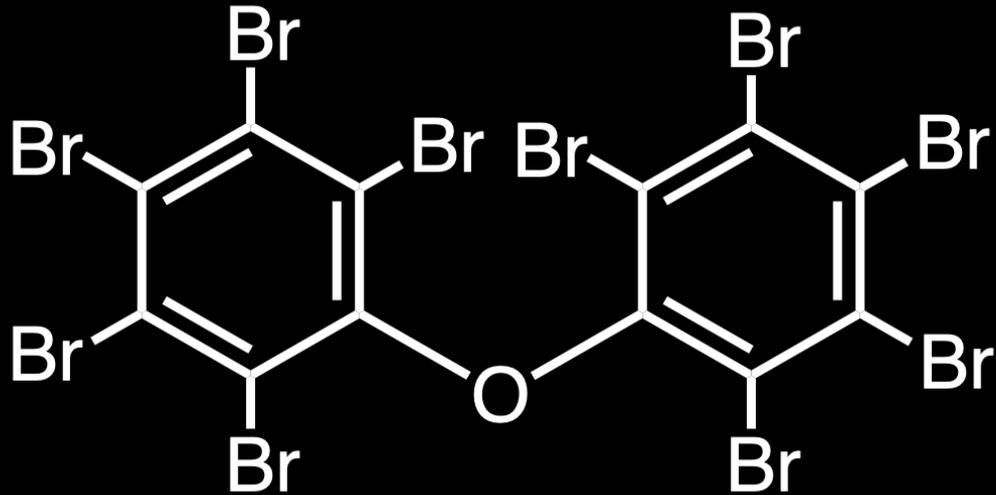


Decabromodiphenyl ethane

Concerns:

- Persistence
- Bioaccumulation
- Toxicity

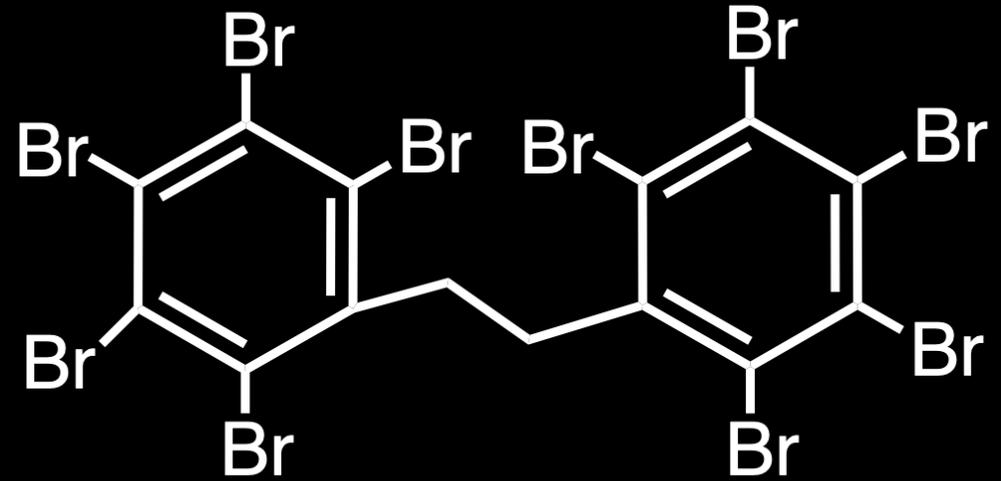
Regrettable Substitution



Decabromodiphenyl
ether

Concerns:

- Persistence
- Bioaccumulation
- Toxicity



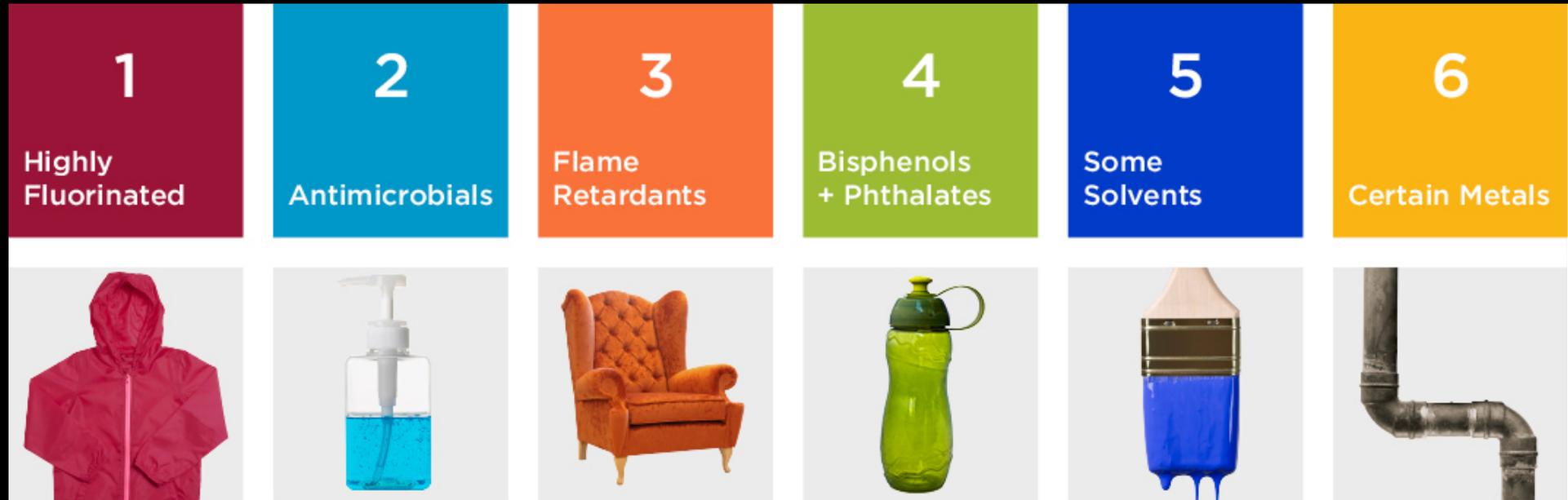
Decabromodiphenyl
ethane

Concerns:

- Persistence
- Bioaccumulation
- Toxicity

Six Classes Videos

An innovative approach to reducing toxics



VIEW and SHARE: www.SixClasses.org

Healthier products, healthier people in four minutes!

You are invited:

Flame Retardant Dilemma & Beyond



February 15, 2018,
8:30am - 4:00pm, 150 University Hall, UC Berkeley
Questions & RSVP: Heather@GreenSciencePolicy.org

Is it necessary?

Is it worth it?

Is there a safer alternative?