



KNOW BETTER

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HBN Research Team

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HEALTHYBUILDING.NET



OUR MISSION

To advance human and environmental health by improving hazardous chemical transparency and inspiring product innovation.

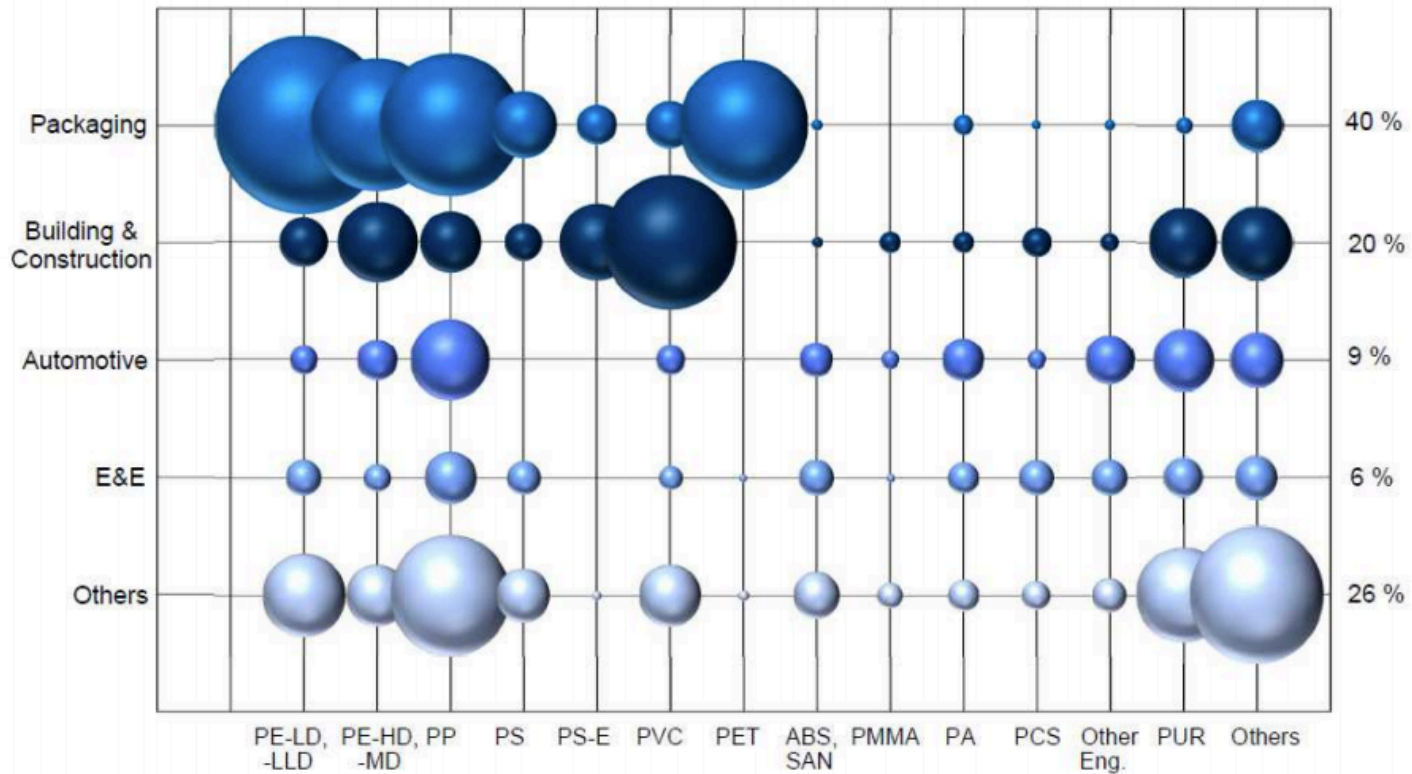
- Trust
- Independence
- Excellence
- Equity
- Innovation
- Transparency
- Collaboration
- Science-Based

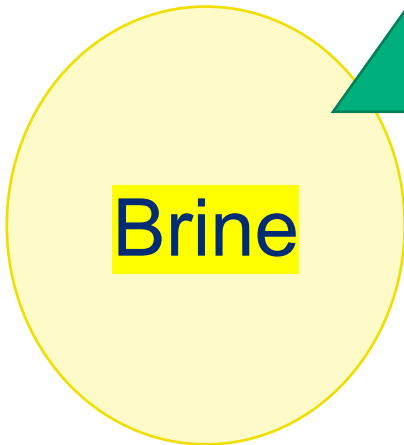


PVC BUILDING PRODUCTS

PVC: Largest market share of B&C plastics in Europe

Demand total in 2014: 47.8 Mio t





Per- and poly-fluoroalkyl substances (PFAS)

The Washington Post

Opinions

These toxic chemicals are everywhere — even in your body. And they won't ever go away.

By Joseph G. Allen January 2

Joseph G. Allen is assistant professor at Harvard T.H. Chan School of Public Health and faculty adviser to the Harvard Healthier Building Materials Academy.



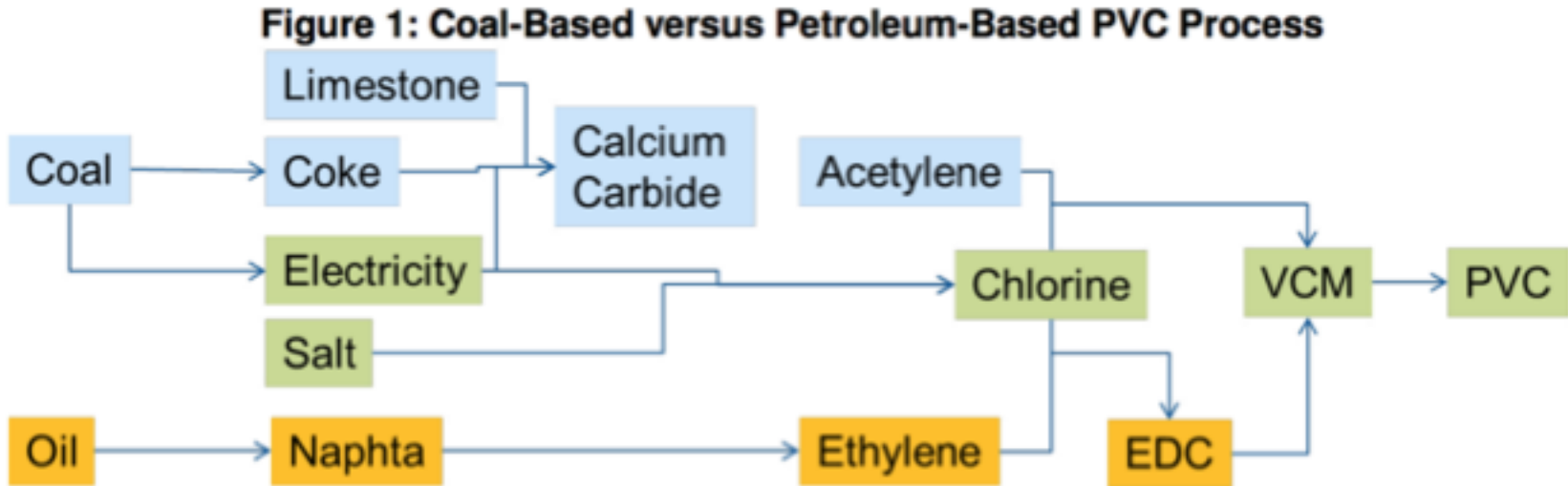
- “Forever chemicals” under increasing scrutiny
- Currently not required to be reported as chemical release
- European study suggests 4-6.7 grams released per ton of annual chlorine production
- PFAS documented in Cape Fear River, downstream of the leading supplier of membranes for chlorine plants



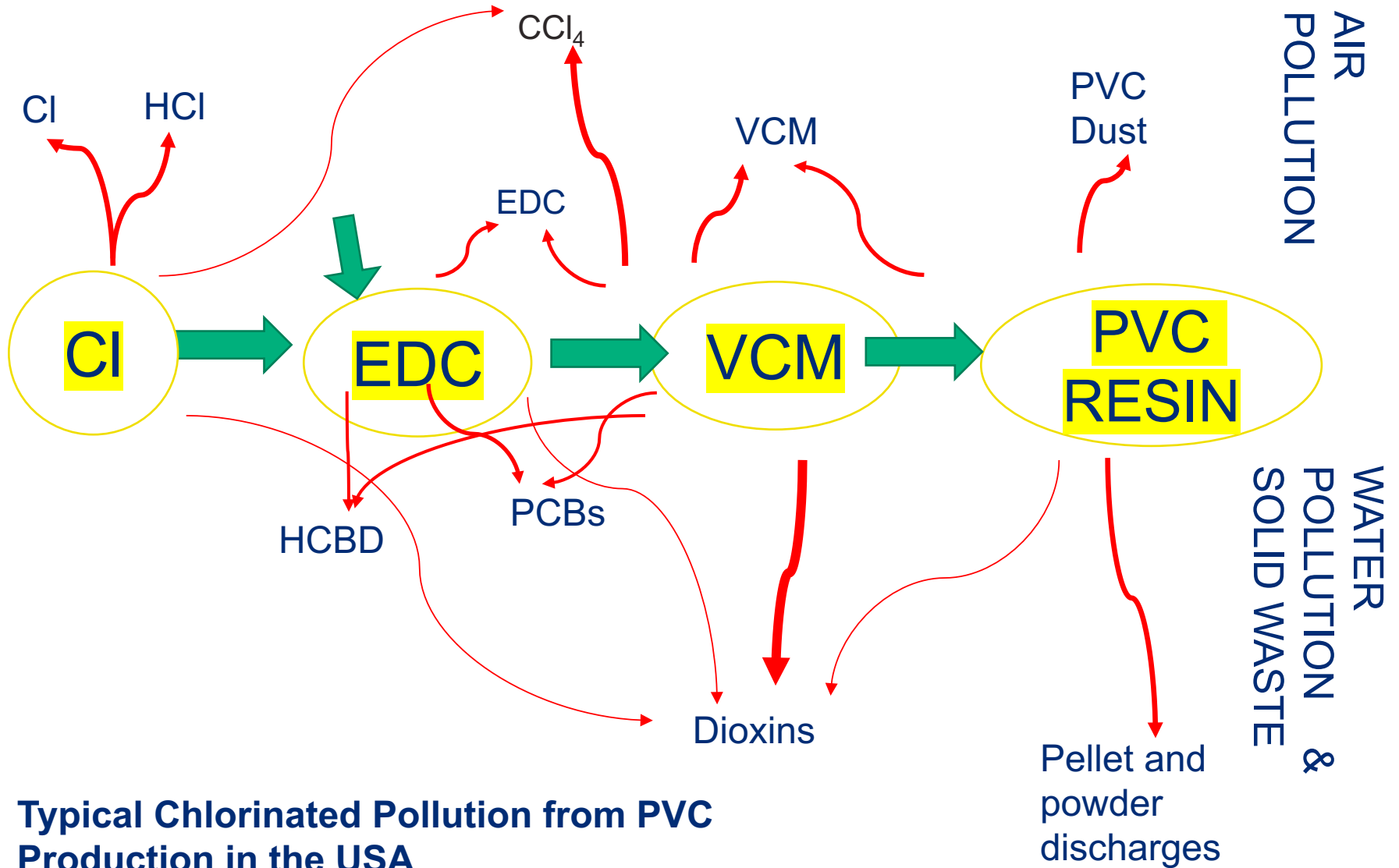
The US Gulf Coast PVC trade is “a channel of moving cheap energy in the form of chlorine and ethylene.”

- Choi, Kyle (Jin Wook).

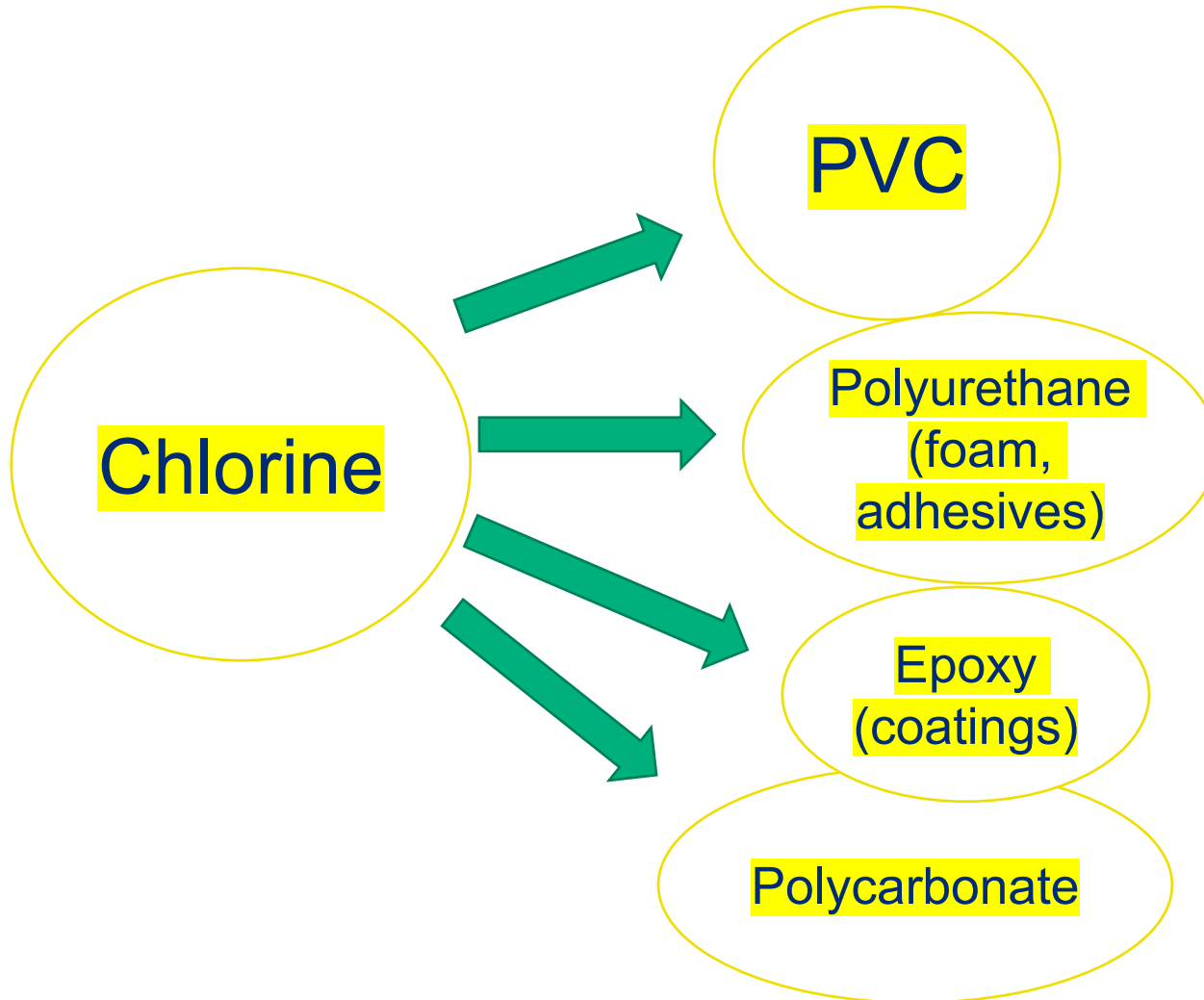
“Will EDC and VCM Look in the Same Direction?” presented at the 32nd Annual World Petrochemical Conference, March 2017.



Source: Chemical Industry Energy Efficiency and Emission Reduction Project (RRP PRC 47051), Asian Development Bank, 2015



Typical Chlorinated Pollution from PVC Production in the USA



**Plastic Building
Materials Derived
from Chlorine**



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THANK YOU!

**For more info, please
visit our Chlorine & Building Materials Project**

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