

Footprint Measurement

BizNGO Annual Meeting December 8, 2016





Chemical Footprint: Total *mass* of *chemicals of high concern* in a company's

- Products sold
- Manufacturing operations
- Suppliers' operations
- Packaging



Cfp the chemical Why Footprint Measurement?

- Quantitative metrics
- Key to internal and external communication
- Understand if/where chemicals of high concern are in products
- Identify opportunities for moving to safer alternatives





Chemical Footprint: CFP 2016 Survey

- Report mass and/or count of chemicals of high concern
- Choice of longer or shorter reference list for chemicals of high concern
- Chemicals in products (not manufacturing, supply chains, or packaging)





the chemical footprint project Chemical Footprint: Total Mass

Total mass of CoHCs

Sum of the mass of CoHCs for all parts in a product



Sales of that product





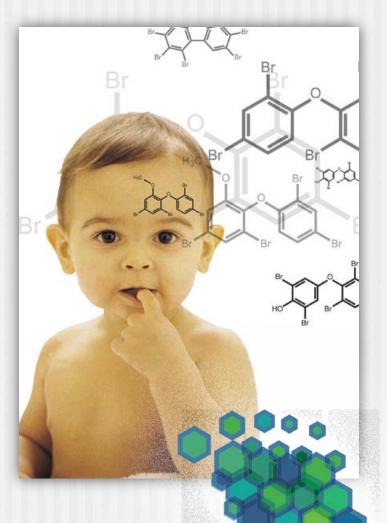
Total count: Number of CoHCs intentionally added across all products





Chemicals of High Concern (CoHCs)

- carcinogen, mutagen, or reproductive toxicant (CMR)
- persistent, bioaccumulative and toxic substance (PBT)
- any other chemical for which there is scientific evidence of probable serious effects to human health or the environment that give rise to an equivalent level of concern
- a chemical whose breakdown products result in a CoHC that meets any of the above criteria



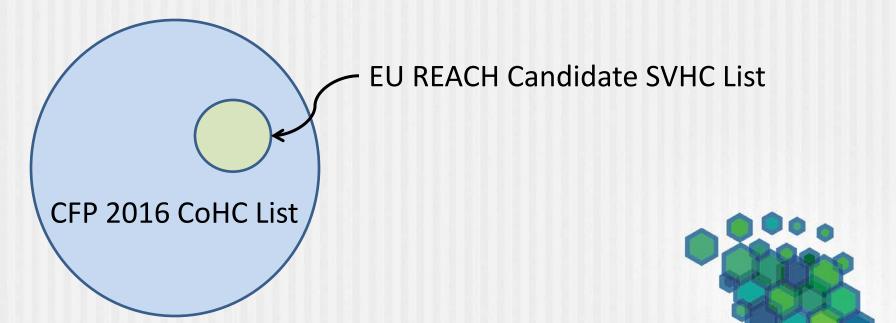


CFP 2016 Chemicals of High Concern List

- Compiled from 14 lists of hazardous chemicals developed by governments & other authoritative bodies
- Includes any chemical or chemical group that meets any combination of the CFP criteria
- Static, using July 1, 2016 versions of source lists
- Aligns with GreenScreen List Translator 1, chemicals

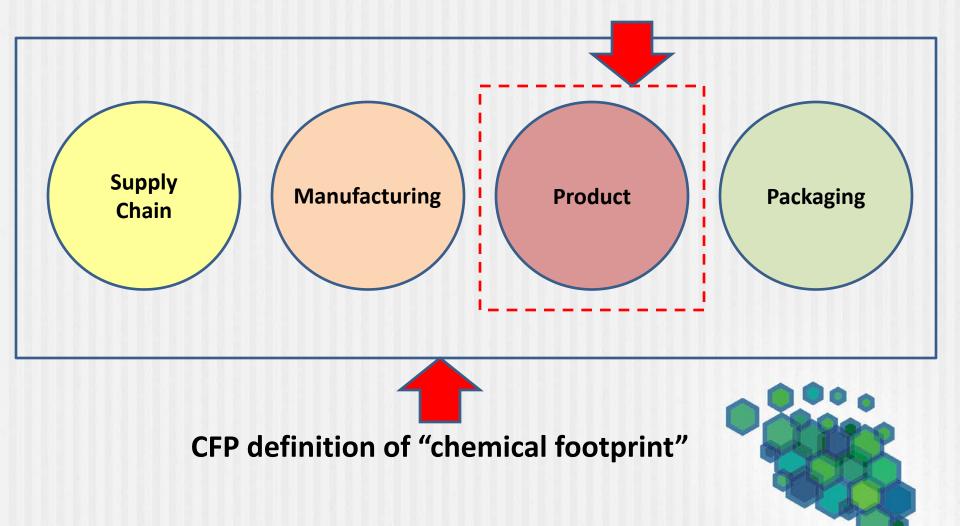


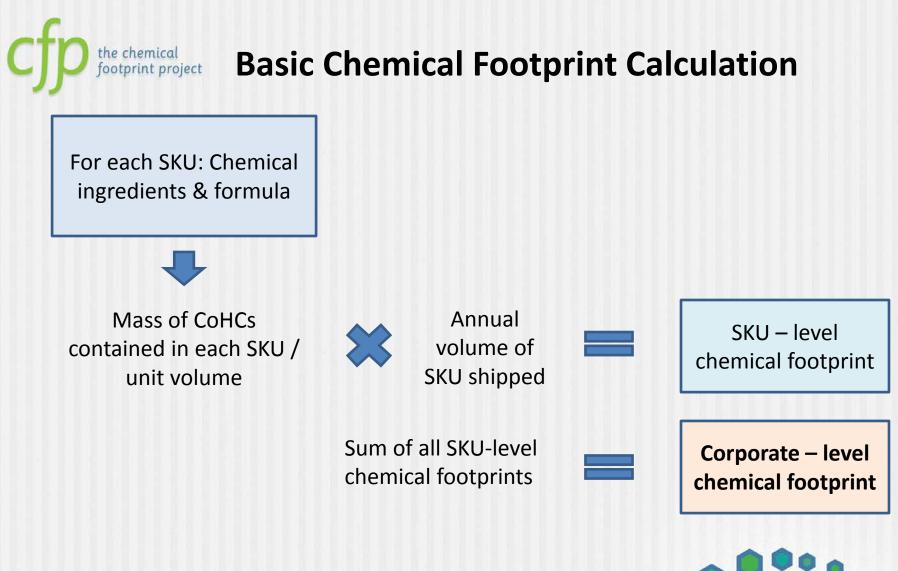
- CFP 2016 CoHC List (~2,200 chemicals)
- EU REACH Candidate SVHC List (169 chemicals)





2016 chemical footprint reporting requirement









- New metric
- Depends on robust chemical inventory
- On ramp option designed to enable more companies to calculate

