VCCM

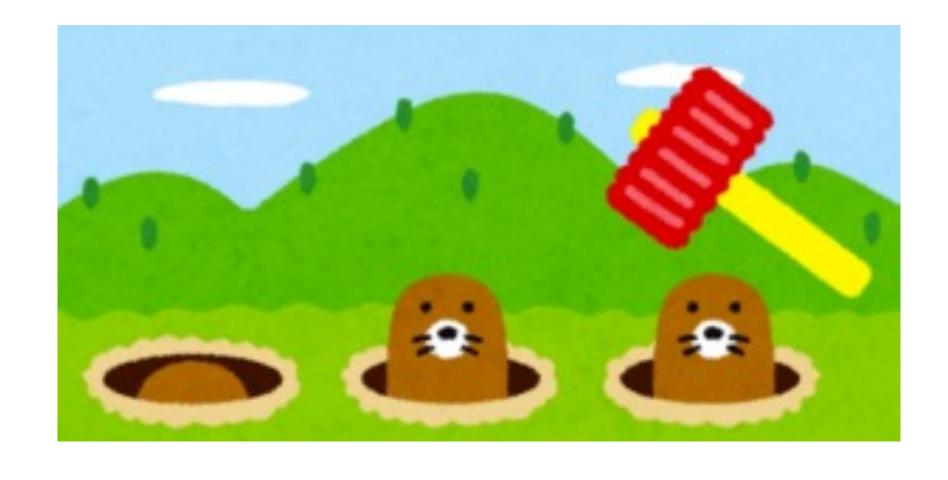
Industry Wide or Individual Company

Value Chain Chemical Management



Chemical compliance requirements are on the rise.

- 350K chemicals and mixtures in commerce
- Regulators have limited ability to address the speed of chemicals entering market
- Brands and retailers strive to differentiate and manage risk
- Shift towards regulating entire classes of chemicals
- Shift towards "right-to-know" and transparency building regulations



Bisphenol-A (BPA)

BPS

BPF



Multiple States have emerging PFAS requirements

California – AB 1200 Cookware: Hazardous Chemicals

- New Chapter in CA's Health & Safety Code
- California's 1st broad legislation for PFAS in consumer products
- Includes requirements for cookware
- Requirements begin January 1, 2023

Colorado - Perfluoroalkyl and Polyfluoroalkyl Chemicals Consumer Protection Act

- Applies to cookware, among other products
- Similar requirements to AB 1200, but focused solely on PFAS
- Requirements begin January 1, 2024

Maine - Act To Stop Perfluoroalkyl and Polyfluoroalkyl Substances Pollution

• Effective January 1, 2030, any product containing intentionally added PFAS may not be sold in Maine

Washington – Safer Products Action Plan

- 5-year project to identify problem products, safer alternatives, & regulatory solutions
- PFAS requirements already established for drinking water, food packaging, and firefighting foam
- New requirements expected in 2023 for carpet, indoor furnishings, & others



VCCM = Value Chain Chemical Management

Purpose: Create a database of supplier chemical data to increase transparency into what is in your products



Inventory

- Collect Bill of Materials (BOMs) & other technical documents (SDS, TDS, MDS)
- Collect supplier names + contacts
- Build an initial inventory on existing data
- Engage suppliers to fill gaps & expand inventory to desired threshold (Ex: 100 ppm = 0.01%)

Γ.								
! !	Company Name 0							
! !	Product Name							
! !	Product Description							
! !	Address of Manufacturing Site Is this site ISO 14001 or 9001 certified?	Select						
! !		Jeicet	J					
! !	Please list all chemicals found in your product al							
	If you already have this information in a differer					Ingredient or	Nano-	
! !	Chemical Name	CAS#	Min %	Max %	Typical %	Residual?	Particle?	location of extraction
! !						Select	Select	
! !				+		Select Select	Select Select	+
! !						Select	Select	
! !						Select	Select	
! !						Select Select	Select Select	
! !				+		Select	Select	
! !						Select	Select	
A A A A IN UNICTON	Does your product contain any confl	ict minerals?	Select	*conflict mine	erals are de	fined here as g	old, tin, tungs	sten, and tantalum*
MANNINGTON COMMERCIAL	What sustainability related certifications or decl	arations does y	our product h	iave?				
COMPANY MORNAGES	EPP	Select	, ·	ycle Assessme		Select		
	Health Product Declaration (HPD) Environmental Product Declaration (EPD)	Select Select		FSC	Certified	Select		
Company Name:	Cradle to Cradle (C2C)	Select	Level:					
Contact Name:	C2C Material Health Certificate	Select	Level:					
Contact Phone Number: Contact Email Address:	UL Product Lens	Select	Level:					
Date Filled Out:	Other							
			Percent (%)	Sou	urce of cont	ent		
Employee Information	Post-industrial (pre-consumer) Re	•						
Number of employees Full-Time Fixed Temporary	Post-consumer Re Bio-	cycled Content Based Content						
Male	DIU	EPP-Certified						
Female			,					
Employee Turnover Rate Last Year Net Job Creation Last Year	Does your product contain chemicals found with		_	cted substan	ce lists (RSL)? If so,		
recood decidin East real	please provide the chemical name, CAS#, and ar	nount in the pr	nt in the product.					
Manufacturing Practices	Restricted Substances List (RSL)		above	If yes	, what chen	nical and how r	nuch?	
Do you purchase renewable energy credits (RECs)? Select Do you purchase carbon credits? Select	Consider to Consider (Co	C) Panasilii	100ppm?					
Do you generate renewable energy onsite? Select If yes	Cradle to Cradle (C2C) Carcinogenic		Select					
Have you completed a greenhouse gas (GHG) inventory for you	, ,	ctive Toxin lists	Select					
Does your company maintain a list of all chemicals used in your facilities, along with the c	Red List (International Living F		Select					
and is this list readily available to all employees? Does your company record and notify the correct authorities of occupational accidents, ir	Persistent, Bioaccumulative, and Toxic cl							
Have you completed a social responsibility self-audit using the UN Global Compact Tool, E	RE Perkins+Will Pre	ACH Annex XIV	Select Select					
Please describe your company's policy/program on each of the following topics:		ifornia Prop 65						
Material Health Impacts	*Details of the chemicals contained in these RSLs are fou	nd in "RSL" tab or	in the hyperlinks	above.				
Chemicals of High Concern	Please provide the manfuacturing metrics	helow on a ner	unit hasis	nlease list uni	it used hero	(ex. lb, sq ft.)		7
Chemicals of High Concern Avoidance		Amount	Unit Dasis.			nments		
Energy Reduction	Electricity Use							
Literay ineduction	Natural Gas Use Propane Use							
Renewable Energy Use	Other Energy Use		list energy type here (ex. Coal, #2 oil)					
	Water Use			5, 71	,	,		
Energy/Carbon Offsets	Waste Generated to Recycling Waste Generated to Landfill							
Water Reduction	waste defierated to Landfill							
	Are the process inputs for the product below TRI			Select				
Waste Reduction	Are any PBTs released during the manu Does your company offer any comparable gree	_		Select Select				
Comments Forman	If yes, what is the product's trade name?	nei products to	o una one!	Seiett				
Community Engagement	,	_						
Social Perpensibility and Employee Penefits								
Social Responsibility and Employee Benefits Briefly describe an innovative social program your company has which you wish to highlight.								
, and the man to		 						
		 						
Are your employees free to associate and collectively l Does your company offer employee benefits beyond those legally ma		I	·V. 1	۸ / ۸ 🗀),_	21.12±	0 100 !	70610
If yes, what are they?	Julius Ju		EX: WAP's customizat					zable
Do company policies address the fo		 						
Chi Compulso	ild Labor Select ry Labor Select		VCCM Survey tool					
Compulso Collective Ba	•	1	•		•	J	, .	
Country-Specific Legal Requi	rements Select	 						
Chemical Res	trictions Select							
Suppliers Please describe the social and environmental policy that you use in evaluating suppliers.								
and annual point, that you use in evaluating suppliers.		 						
		 						
If a supplier doesn't comply with this policy, how is it handled?		1						
Would your suppliers be willing to let you audit their facilities for	compliance with your policies? Select	 						
What chemical information does your company collect from suppliers above legal requirement		 						
Formulat acceptance of	anany collect this information?	 						
For what percentage of your products does your con Miscellaneous	npany conect this information?	 						
Are you willing to be a highlighted supplier in our communicat	ions on sustainability matters? Select	 				4 2		
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					- 3	THE		

Screen

Screen chemical inventory against regulatory, industry, and brand lists of chemicals of concern.

Raw Material		Products		Screening Results							
								US EPA -			
							EU - Annex	Priority PBTs			Cradle to
	Pan	Pot	Cup	GreenScreen	Prop 65	TSCA	VI CMRs	(NWMP)	Canada PBT	PFAS	Cradle
Material ABC	X	X	X	LT - 1				Yes	Yes		
Magical Coating XYZ	Χ	X	X	BM - 1	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Chemicals Co TufCor C-845	Х			LT - P2							
Chemicals Co NAFTASAFE			Х	LT - P1				Yes	Yes		
Chemicals Co TAOP 10	Х			LT - P2							
WAPChem - Chemfrothy 1212	Х	Х	Х	BM - 3							
Play Doh - Aquamarine		Х		LT - 1				Yes	Yes		Yes
MyStar - NaOH-Caustic Soda 75%		Х		LT - UNK							
Westeros - F260		Х	Х	LT - UNK							
Westeros - F262	Х			LT-2							
Westeros - F260	Х			BM-2							
ABFS Good Stuff	Х			LT-UNK							
Dragon Carbonate (RO-40, CC-103)	X	X	Х	LT - UNK			Yes	Yes	Yes	Yes	Yes

Ex: of VCCM screening report to 100 ppm (0.01% of product) reporting threshold



Disclose









Answer questions about products' current and forthcoming compliance status.



Assess

- Set company goals around health & chemistry
- Create a strategy to eliminate chemicals of concern
- Compare alternative materials and ingredients
- Differentiate your product in the markey by golff material beath igurney? Where are we in our material Whaterian mevideoin material bealth ibeatth?iourne

Inventory

Screening

Disclose

Assessment

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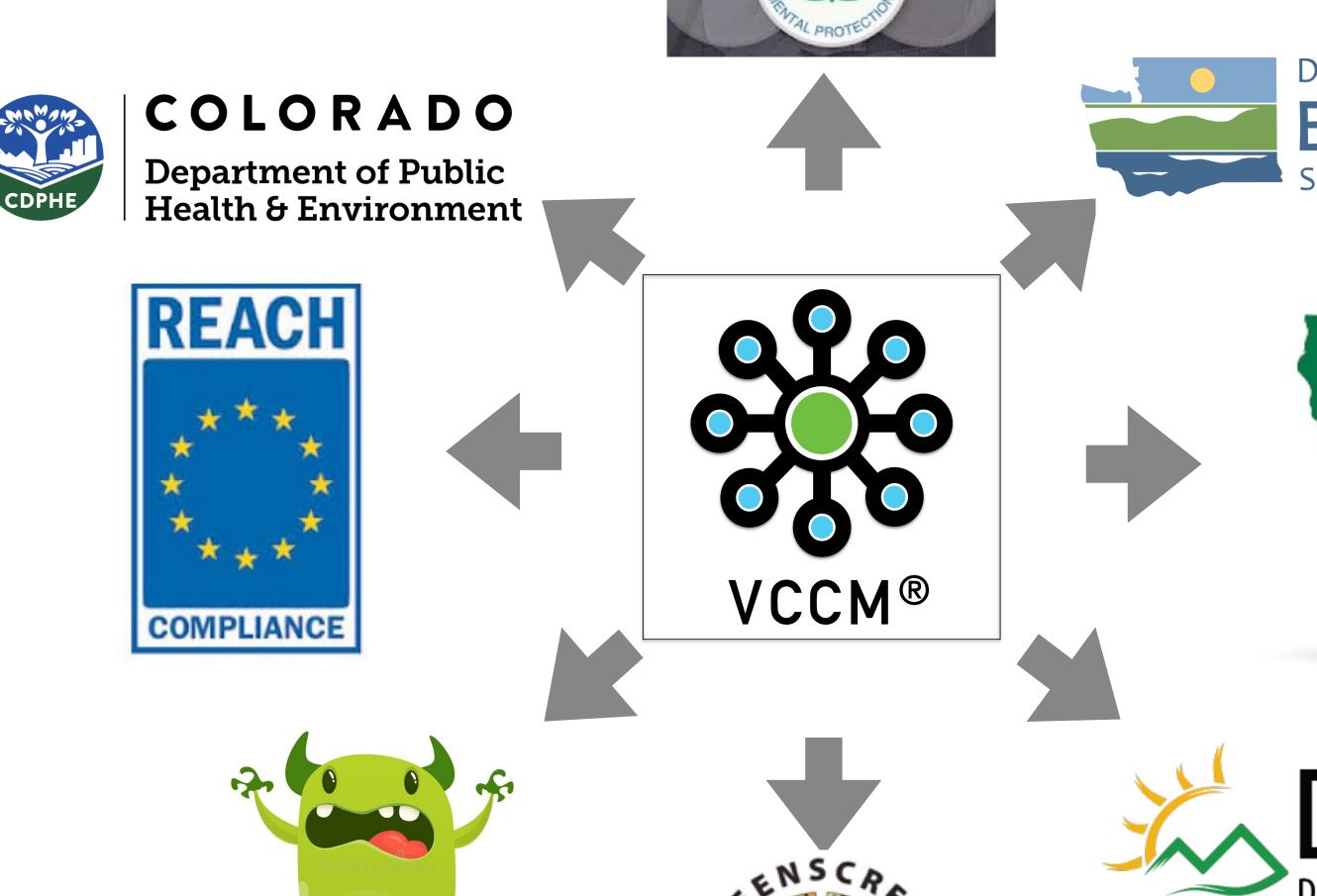








Optimize



Toxic Substances

Control Act









Path Forward

- 1. Company by Company work
 - Individual company can work with WAP at a 10% discount off typical rates due to being a CBA member
 - Company decides on how many product families and suppliers
 - Fee for setting up the initial database and annual fee for maintenance



