THE CIRCULAR DESIGN GUIDE

7765

CRADUE TO CRADUE PRODUCTS

Safe & Circular Product Redesign Workshop

EXPLORE (5 MINS)

DEFINE THE CHEMICALS OF CONCERN (15 MINS)

PICK & SCREEN TWO CHEMICALS THAT ARE IN THE PRODUCT

This is a summary of all the chemicals that can be found in a product like this, and not a complete list. Screen the different chemicals using <u>MaterialWise.org</u>.

WHICH CHEMICALS SHOULD BE DESIGNED OUT?

Highlight the chemicals of concern that should be designed out in the next phase.

CHOOSE A COMMERCIAL APPLICATION	YARN FACE - POLYMER NYLON 6 25038-54-4 TOXIC: Y / N
WHAT ARE THE FUNCTIONAL NEEDS AND REQUIREMENTS OF A CARPET TILE? For example, the underlying functional need of a car is to get from one place to another.	STAIN RESISTANCE TREATMENT PERFLUOROBUTANESULF-ONIC ACID 375-73-5 TOXIC: Y
INTERVIEW A USER	PIGMENT FOR DYE TITANIUM DIOXIDE 13463-67-7 TOXIC: Y / N
	FLAME RETARDANT ALUMINA TRIHYDRATE 21645-51-2 TOXIC: Y / N
	ANTI-MICROBIAL (DISINFECTANT) ZINC PYRITHIONE 13463-41-7 TOXIC: Y / N
	PLASTICIZER (ENHANCES FLEXIBILITY BIS(2-ETHYLHEXYL) TEREPHTHALATE 6422-86-2

N /

TOXIC: Y / N

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REDESIGN (30 MINS)

DEVELOP 3 CONCEPTS FOR IMPROVEMENTS

Are there different or better ways to meet the needs while designing out the substances of concern? Brainstorm to come up with new ideas using the Material Health Strategy Cards

Describe and illustrate 3 concepts for improvements by using the Material Health Strategy Cards. Try to be visual and give it a memorable name.

CONCEPT IDEA

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REFLECT (10 MINS) WHAT NEEDS TO BE INCLUDED IN THE DESIGN PROCESS?

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What data would be important to have? What infrastructure is needed? Who would you need to collaborate with?

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