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 MaterialWise.org.

WHICH CHEMICALS SHOULD BE DESIGNED OUT?
Highlight the chemicals of concern that should be designed out in the next phase.

EXPLORE (5 MINS)

DEFINE THE CHEMICALS OF CONCERN (15 MINS)
PICK & SCREEN TWO CHEMICALS THAT ARE IN THE PRODUCT

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.

INTERVIEW A USER

SOFTWARE APPLICATION

YARN FACE - POLYMER
NYLON 6 | 25038-54-4 TOXIC: Y / N

STAIN RESISTANCE TREATMENT
PERFLUOROBUTANESULFONIC ACID | 375-73-5 TOXIC: Y / N

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) TEREPTHALATE | 6422-86-2 TOXIC: Y / N
Safe & Circular Product Redesign Workshop

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.

REFLECT (10 MINS)

WHAT NEEDS TO BE INCLUDED IN THE DESIGN PROCESS?

What data would be important to have? What infrastructure is needed? Who would you need to collaborate with?
EXPLORE (5 MINS)

CHOOSE A COMMERCIAL APPLICATION

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INTERVIEW A USER

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CONCEPT IDEA

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