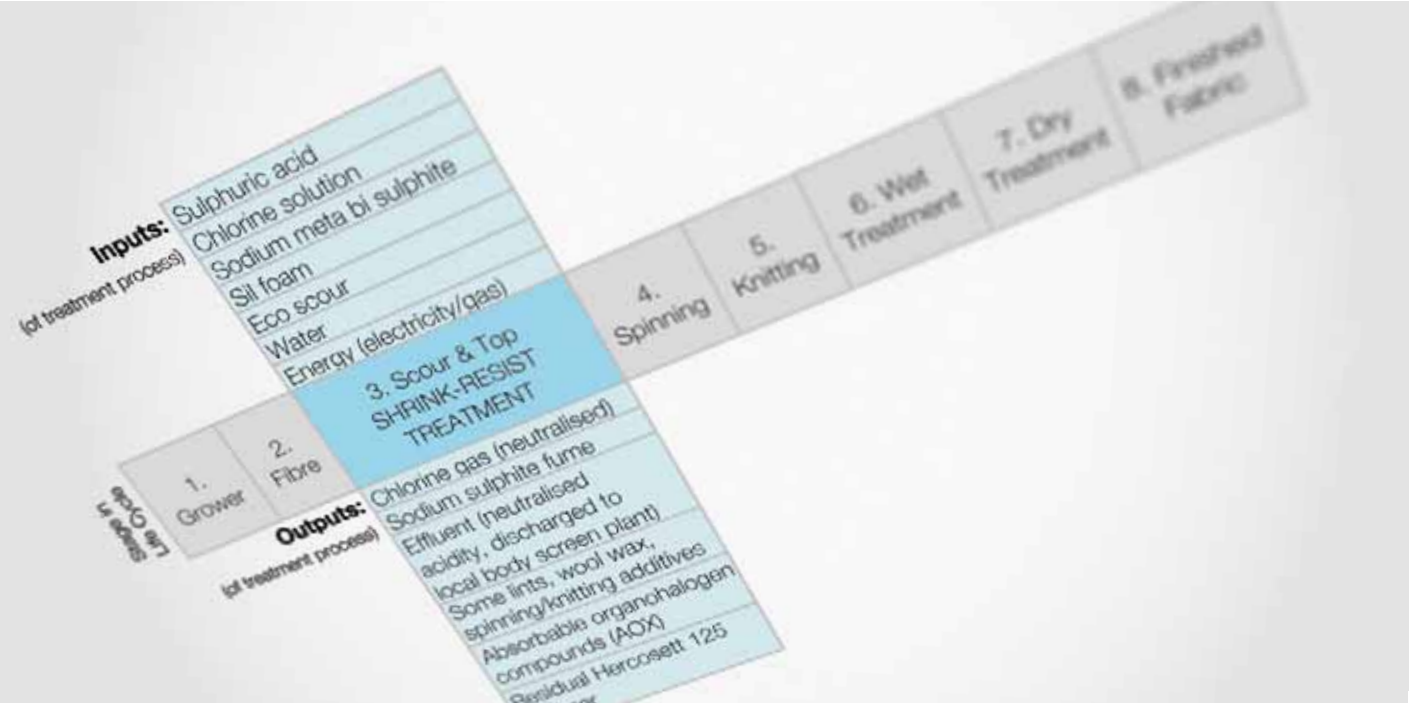

Impacts of Environmental Aspects (IoEA) read me

An IoEA diagram is a more activity focussed tool that is used to further break down the environmental impacts of a product. It simply looks at Routine Inputs and Outputs. The key addition to the traditional ISO14001 technique is that we are looking at the inputs and outputs in relation to the life cycle stages.

The product lifecycle is divided into stages or processes against which all Inputs (materials & energy) and Outputs (items produced and waste such as air, water and solids) are recorded.

The template can be used get an overview of the whole production process of a product or company, or it can be used to focus on a given life cycle stage selected because of its importance.

The selected example shows an assessment of the traditional Chlorine Hercosett process treatment stage (for wool processing) used to create shrink resistance.

This process was a particular focus for the project so it was really relevant to collect this information as a starting point.

How to use the IoEA template:

1. Outline the lifecycle stages for the product being assessed. The stages provided in the template are indicative only and will vary according to products and processes.
2. Either:
   a. Assess the area/s of the lifecycle that are most pertinent to the operation of the company, or those which have the highest potential for modification. OR:
   b. The template can be used as a general overview for the lifecycle of the product to highlight areas of greatest impact.
3. List inputs (Materials and Energy) and outputs (Produced items & Waste emissions such as air, water, and solids) for each associated stage. These can be categorised by source (internal and external) if applicable in order to correctly determine the most viable area for impact reduction.
4. Use the information outlined in the IoEA table to focus on alternative materials and processes that can help to reduce the environmental impact of the product at a particular stage or throughout its lifecycle.

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