# Risk Assessment

**Product Identification**

| Product Name | Woven Label |
|---|---|
| Intended Use | Label is used primarily for branding or as an identification tag on textile products (e.g., clothing, accessories, or bedding). |
| Target Consumer Group | General consumer base, including children, adults, and potentially infants, depending on the end product. |
| Product Material | Polyester |
| Function | Branding, care instructions, or size identification. |

| Risk Type | Identified Risk | L | S | Risk=L*S | Control Measure |
|---|---|---|---|---|---|
| Chemical | **Skin Irritation:** Label may use dyes or chemicals that could cause skin irritation or allergic reactions, especially for sensitive skin.<br><br>**Chemical Exposure:**<br>Label may be treated with flame retardants or other chemicals that may pose a health risk if they are not used in compliance with safety standards. | 3 | 3 | 9 | We ensure that all dyes and adhesives used for the woven label are certified as non-toxic and skin-safe. We choose OEKO-TEX certified dyes. Avoid the use of harmful chemicals like formaldehyde or heavy metals in the label production. |
| Mechanical | **Rough Texture:** The edges of the label may have rough finishes or unfinished edges that could cause discomfort or skin abrasions, especially if the label is sewn or attached improperly.<br><br>**Chocking:** If the label is detachable or poorly attached, there may be a risk for small children to swallow the label or parts of it. | 3 | 4 | 12 | We ensure that the label edges are finished properly to avoid rough or sharp edges. We use a heat-seal or overlocking process to smoothen edges. The label should be securely stitched or adhered to the garment to prevent it from detaching during use, particularly for products used by children. |
| Physical | **Entanglement:** In some cases, long threads or tags that are not securely fastened to the garment could present a risk of entanglement, especially for children. | 2 | 4 | 8 | Intended for infants or children, ensure that the label is sewn or securely attached so that it cannot be removed easily. |
| Fire | **Flammability:** If the label is not made of flame-retardant or low-flammability material, it could pose a fire hazard, particularly if attached to flammable fabric or used in children's clothing. | 3 | 4 | 12 | We use flame-retardant or flame-resistant materials for woven labels in products such as children's sleepwear or other garments where fire risk is higher. |
| Environmental | **Microplastic Contamination:** Label made from synthetic fibers (like polyester) may shed microfibers during washing, potentially contributing to environmental pollution. | 3 | 4 | 12 | We consider using biodegradable or recyclable fibers (e.g., organic cotton or recycled polyester) for the woven labels to reduce environmental impact. We advise consumers on proper care |

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| | | | | | instructions to minimize microplastic shedding, such as washing at lower temperatures or using laundry bags that capture microfibers. |
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| | | | | | |

**Residual Risk Assessment:**

After implementing the control measures above, the residual risks associated with the product will be significantly reduced. However, some risks, such as environmental impact from synthetic fibers or minimal irritation from prolonged exposure to poorly chosen materials, may remain.

Residual risks for consumers with allergies or sensitive skin may be mitigated through clear labeling and consumer education about materials used in the product.

**Ongoing Monitoring and Review:**

We monitor any reported issues or customer complaints regarding labels, especially for irritation or allergic reactions, and adjust materials or processes accordingly.

We regularly review and update the risk assessment if any new hazards or risks are identified through product testing or feedback.

## Risk Factors

| Points Rating | | Likelihood | | | | |
|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 |
| Hazard Severity | 1 | 1 | 2 | 3 | 4 | 5 |
| | 2 | 2 | 4 | 6 | 8 | 10 |
| | 3 | 3 | 6 | 9 | 12 | 15 |
| | 4 | 4 | 8 | 12 | 16 | 20 |
| | 5 | 5 | 10 | 15 | 20 | 25 |

## Risk Factor Rating

| LOW | MEDIUM | HIGH |
|---|---|---|