

Risk Assessment

Product Identification

Product Name	Zip Puller
Intended Use	To serve as a functional and decorative fastening mechanism on garments.
Target Consumer Group	General consumers, including adults and children (with proper safety considerations for children's wear).
Product Material	Metal
Function	Facilitates easy opening and closing of zippers on clothing items.

Risk Category	Risk Description	Likelihood (1-5)	Severity (1-5)	Risk Level (Low/Medium/High)	Control Measures
Environmental Risk	Improper disposal or contamination of plastic zip pullers	3	3	Medium	Ensure proper disposal guidelines and recycling of materials.
	Release of microplastics into the environment during use or washing	4	4	High	Design zip pullers with eco-friendly materials, encourage consumer recycling.
Physical Risk	Choking hazard for children due to small detachable parts of the zip pullers	2	5	Medium	Design zip pullers to be securely attached and avoid small detachable parts.
	Injury from sharp edges of poorly manufactured zip pullers	3	3	Medium	Implement quality control to ensure smooth, safe edges on all zip pullers.
Fire Risk	Flammability of materials used in zip pullers	2	4	Medium	Use non-flammable or fire-retardant materials in production.
	Fire hazard due to zip pullers coming into contact with heat sources	2	4	Medium	Educate on proper garment care and usage to avoid exposure to heat.
Chemical Risk	Presence of toxic chemicals such as phthalates, lead, or BPA in plastic zip pullers	3	5	High	Conduct regular testing for harmful chemicals and ensure compliance with safety standards.
	Skin irritation or allergic reaction from chemicals used in coatings or dyes	3	3	Medium	Ensure that materials used for coatings and dyes are skin-safe and hypoallergenic.

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Residual Risk Assessment:

After implementing the control measures above, the residual risks associated with the product will be significantly reduced.

Ongoing Monitoring and Review:

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

Risk Level Legend:

Low: Risk score between 1-6 (Low likelihood and/or low severity)

Medium: Risk score between 7-12 (Medium likelihood or moderate severity)

High: Risk score between 13-25 (High likelihood and/or high severity)