

Risk Assessment

Product Identification

Product Name	Corrugated Rigid Box
Intended Use	Corrugated boxes for the garment industry are primarily intended to package, store, and transport finished garments (such as clothing, accessories, and other textile products).
Target Consumer Group	The primary users of corrugated boxes in the garment industry are garment manufacturer, retailer, whole seller and online market places.
Product Material	Wood Pulp
Function	The key functions of corrugated boxes for the garment industry include transportation, storage and other functions.

Risk Category	Risk	Potential Hazard	Likelihood (1-5)	Severity (1-5)	Risk Rating (L x S)	Control Measures
Physical Risk	Sharp Edges	Sharp edges of the box can cause cuts or injuries during handling or opening.	3	3	9	We Smooth out sharp edges during manufacturing. We use of gloves during handling.
	Heavy Loads	Boxes may be loaded with heavy items, leading to potential back injuries.	4	4	16	We clear weight labeling on boxes. We provide proper lifting equipment or team lifting techniques.
	Structural Integrity	Box might collapse under weight, causing product damage or injury.	3	4	12	We use high-quality corrugated materials. We inspect boxes for structural integrity before shipment.
Environmental Risk	Water Damage	Boxes exposed to rain or humidity may weaken and cause contents to be damaged.	4	5	20	We use water-resistant coatings or liners. We store boxes in dry environments.
	Degradation	Exposure to sunlight or extreme temperatures may cause box degradation over time.	3	3	9	We store boxes in shaded or climate-controlled areas. We ensure proper handling in harsh conditions.
	Wildlife Damage	Pests like rodents or insects can damage boxes and contents.	2	3	6	We ensure storage in pest-free environments. We regular inspections for pests.
Fire Risk	Combustibility	Corrugated boxes are flammable, which could pose fire hazards in high-risk areas.	4	5	20	We store boxes away from heat sources. Use fire retardant coatings if required.
	Electrical Fire Risk		3	4	12	Ensure proper distance from electrical equipment.

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		If boxes are near electrical equipment, an electrical fire could ignite the boxes.				Install smoke detectors and fire extinguishers.
Chemical Risk	Chemical Contamination	Exposure to chemicals (e.g., from packaging materials) could harm the contents or users.	2	4	8	Use non-toxic, chemical-free inks and adhesives. Use food-safe and eco-friendly materials when applicable.
	Off-gassing	Volatile organic compounds (VOCs) from ink, adhesives, or other materials could cause air quality concerns.	2	3	6	Use low-VOC inks and materials. Ensure proper ventilation in storage areas.
	Hazardous Substances in Recycling	Recycling contaminated boxes may lead to hazardous substances entering the environment.	3	4	12	Ensure proper disposal and recycling procedures. Use eco-friendly materials.

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 monitor any reported issues or customer complaints regarding Rigid Box. We regularly review and update the risk assessment if any new hazards or risks are identified through product testing or feedback.

Legend:

Likelihood (1-5): 1 (Very Unlikely) to 5 (Very Likely)

Severity (1-5): 1 (Minimal Impact) to 5 (Severe Impact)

Risk Rating (L x S): Product of Likelihood and Severity. Risk Rating of 16 or above indicates high risk.