

## LIFE CYCLE ASSESSMENT

### PRODUCT

Corrugated Paperboard & Cartons

### LIFE CYCLE STAGES



LIFE CYCLE ASSESSMENT		
Life Cycle Stages	Environmental Impact	Control
1 Material Supply & Storage	Potential Soil & Water Pollution: <ul style="list-style-type: none"> <li>• Spillage or leakage while receiving and storage of chemicals such as:               <ul style="list-style-type: none"> <li>○ Ink</li> <li>○ Thinner</li> <li>○ Diesel</li> <li>○ Dunlop Floor Tile Adhesive</li> <li>○ Borax Decahydrate</li> <li>○ Caustic Soda Flake</li> <li>○ Dyna S03C</li> <li>○ Dyna P04L</li> <li>○ Dyna M</li> <li>○ MK-20</li> <li>○ Dyna SDP</li> <li>○ MA-8</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• MP-SOP-OCP-003 (Hazardous Chemical Storage &amp; Handling)</li> <li>• MP-SOP-EMS-006-05 (Chemical Spillage Guideline)</li> </ul>
	Depletion of Natural Resources: <ul style="list-style-type: none"> <li>• Supply of paper</li> </ul>	<ul style="list-style-type: none"> <li>• Purchase of recycled paper</li> </ul>
	Depletion of Natural Resources: <ul style="list-style-type: none"> <li>• Material deterioration</li> </ul>	<ul style="list-style-type: none"> <li>• Pest control</li> <li>• First In First Out</li> <li>• Not expose direct sunlight, high moisture</li> </ul>
	Potential Air Pollution: <ul style="list-style-type: none"> <li>• Emission of smoke to atmosphere that interrupt the community staying nearby</li> </ul>	<ul style="list-style-type: none"> <li>• Stack Emission Monitoring</li> </ul>
	Depletion of Natural Resources: <ul style="list-style-type: none"> <li>• Production wastage</li> </ul>	<ul style="list-style-type: none"> <li>• # Defective Paperboard used and reprocessed into paper pallets components.</li> <li>• Sale for recycle</li> </ul>
3 Storage	Depletion of Natural Resources: <ul style="list-style-type: none"> <li>• Finished product deterioration</li> </ul>	<ul style="list-style-type: none"> <li>• Pest control</li> <li>• First In First Out</li> <li>• Not expose direct sunlight, high moisture</li> </ul>
4 Dispatch	Potential Noise Pollution: <ul style="list-style-type: none"> <li>• Noise generated from vehicle that interrupt the community staying nearby</li> </ul>	<ul style="list-style-type: none"> <li>• Boundary Noise Monitoring</li> </ul>
	Potential Air Pollution: <ul style="list-style-type: none"> <li>• Release of smoke from vehicle that interrupt the peaceful environment of the</li> </ul>	<ul style="list-style-type: none"> <li>• Puspakom Check / Approval</li> </ul>

	community staying nearby	
<b>5</b> Recycle	Depletion of Natural Resources: <ul style="list-style-type: none"><li>• Product to be recycled<ul style="list-style-type: none"><li>○ Corrugated Paperboard &amp; Cartons</li><li>○ Wooden Pallet</li></ul></li></ul>	<ul style="list-style-type: none"><li>• Legislation requirements</li></ul>