

	ISO Tank Containers	Drums	Flexibags	Parcel Tankers
Efficiency & Cost-Effectiveness	<ul style="list-style-type: none"> ➤ Unlimited re-usability. ➤ Allows multi-modal transport via truck, rail, barge, and ship. ➤ Able to transport up to 26,000 litres or 6,868 gallons. ➤ Re-stackable with one another or with dry boxes, offering economical space allocation on vessel and at storage. 	<ul style="list-style-type: none"> • Rarely reused and often non-reusable. • High disposal cost. • Maximum of 78 drums can be loaded in a 20ft container = 4,290 gallons. • Storage is expensive and labour intensive. • Filling process is time consuming and expensive. 	<ul style="list-style-type: none"> • Often non-reusable. • Cleaning is difficult and often requires shipping back to cleaning specialist. • Some railroads ban the transport of flexibags due to safety concerns. • For cargo that requires pre-heating before discharge, the heating process is time consuming, expensive, and unsafe. 	<ul style="list-style-type: none"> • Must satisfy minimum cargo size of 200-500 tons. • Terminal storage cost is high. • Restricted destination choice. No Door-to-Door service.
Safety Concerns	<ul style="list-style-type: none"> ➤ All ISO Tanks requires three closures and all of them must fail before any leak can occur. ➤ Professional cleaning facilities are readily available everywhere around the globe. ➤ Manufactured from stainless steel under strict ISO standards which has high corrosion resistance and it can withstand extreme impact forces without leaking. 	<ul style="list-style-type: none"> • Highly susceptible to leakage and damage while filling, storing, shipping and unloading. • Only one closure. • Very limited cleaning options available and there are very little financial incentives to clean drums after use. 	<ul style="list-style-type: none"> • Unable to interchange hazardous and non-hazardous chemicals. • Risk of rupture and punctures are ever present. • Flexibags carried inside the dry box containers has extremely low tolerance against external impact forces. • Spills are frequent at loading and unloading. 	<ul style="list-style-type: none"> • Risks of contamination from pipelines, pumps and while being stored is relatively high.
Eco-Friendliness	<ul style="list-style-type: none"> ➤ When properly maintained, ISO Tank Containers can last over 30 years. ➤ Stainless steel barrels and frames have high financial values and are usually recycled. ➤ ISO Tank Container offers very low CO2 footprint per transported metric ton. 	<ul style="list-style-type: none"> • Operating life is around 5 years only depending on usage. • Steel drums are often disposed rather than scrapped as there are little financial incentives to do so. • Plastic drums are often disposed as cost of recycling plastic is high. 	<ul style="list-style-type: none"> • Their useable life is very short at approximately 3 years. • Recycling plastic is expensive and offers little financial incentives. They are often disposed after use. 	<ul style="list-style-type: none"> • Most often the cargo must be transported to the consignee by another mode of transport, raising the total carbon emissions per transported metric ton.