



These specifications apply to the acceptance and loading of tank trailers at LyondellBasell (LYB) facilities, as well as at third-party facilities contracted by LYB

<b>Product Handling Equipment Specification (PHES) - Tank Trailer</b>	
<b>Commodity [select from drop-down]:</b>	Allyl Alcohol (AA)
SDS Number:	BE221
<b>Refer to SDS section 14 for this product's transport classification</b>	
<b>General Tank Truck Information:</b>	
DOT Specification:	MC 312, DOT 412, dedicated to LYB Allyl Alcohol and serviced by carrier Dana Transport only; trailer ID's: D-1197, D-1198, D-1308, D-2543, D-2544, D-2408; any other trailers must be pre-approved by LYB
Insulation:	Required
Heating Capabilities:	Prohibited; product to be kept away from heat
Gasket Material:	Teflon, Simriz 7295, or Kalrez only; must be in all flanges and openings of trailer; all flanges and openings must have seal point, and remain sealed for full and residue transport
Connections/Fittings:	All must be stainless steel with dust caps containing seal points, on all outlets of the trailer, capable of being sealed with a 1/8" cable seal
Liquid Connection:	2" male kamvolok (dry connect) with sealable dust cap; liquid line piping modified to bottom rear/grade-level access, with isolation valve upstream of fitting, and pneumatic emergency shut-off valve on liquid line next to trailer
Vapor Connection:	1 1/4" (1.25") male kamvolok (dry connect) with sealable dust cap; grade-level vapor (GLV) piping modified to bottom rear access, with pressure gauge and isolation valve upstream of fitting
Nitrogen Padding:	Trailer must have 5-7 psig nitrogen pad upon arrival to load, and provide a leak free seal pre-and post-loading
Tank Cleanliness:	Dedicated to LYB Allyl Alcohol service only; if a trailer requires cleaning, a cleaning certificate must be presented with the trailer; after any maintenance, a maintenance certificate must be presented with the trailer that indicates type of maintenance performed

Strapping Chart:	Required
Hoses:	Hoses are not required to load at LYB facilities; there may be consignee-specific hose requirements listed on the LYB shipping document
Additional Appurtenances:	Dome lid must be a solid bolted flange; tank trailers are modified by the carrier to comply with this PHES; return seals must be sent with the driver, who must ensure they're applied (either by driver or consignee personnel) once offloaded; driver must be trained in Allyl Alcohol handling and be on Dana's list of qualified drivers; must have current LYB Shipping Notice document, Transwide call-off, or carrier manifest to be accepted for loading; driver must arrive at pickup point at the designated/pre-scheduled time; driver must always notify LYB of any requested light loading due to potential exceedence of gross legal load weight, or variance from consignee's ordered quantity
Misc. Restrictions:	No additional personnel in tractor unless team driver(s); pets are strictly prohibited; customer pickup (CPU/collect) orders are prohibited; if a CPU is needed, a dedicated Dana trailer must be used
Acceptable Prior Cargoes:	Not applicable
Prohibited Prior Cargoes:	Not applicable
Disclaimer:	LYB reserves the right to reject any trailer based on its actual condition or suitability as determined during on-site inspection and in accordance with US DOT regulations.