

	<p>These specifications/special requirement(s) are applicable specifically to LyondellBasell facilities for loading or unloading a tank trailer at a LyondellBasell site or a contracted 3PL location as applicable</p>	
TANK TRAILER SPECIFICATION		
PRODUCT	ETHANOL (PURE)	PURE ETHANOL
Material Characteristic and immediate hazard	See Product SDS	
DOT SPECIFICATION	MC 307, DOT 407, STAINLESS STEEL	
INSULATION	PREFERRED BUT NOT REQUIRED	
HEATING CAPABILITIES	NOT REQUIRED	
GASKET MATERIAL	TEFLON ROPE, VIRGIN TEFLON, WHITE BUNA, EPDM, **DOME GASKET AND ALL OPENINGS TO TRAILER MUST PROVIDE A LEAK FREE TIGHT SEAL UPON PRE AND POST LOADING. DOME LID MUST HAVE SEAL POINTS.	
CONNECTIONS/FITTINGS	ALL MUST BE STAINLESS STEEL, W/DUST CAPS W/SEAL PONTS ON ALL OUTLETS OF THE TRAILER, CAPABLE OF BEING SEALED WITH 1/8" WIRE CABLE SEAL	
LIQUID CONNECTION	3 "MALE CAMLOCK, W/DUST CAP - BOTTOM REAR LOADER, (IN-LOADER, CENTER LOADER MUST BE APPROVED). NOTE: CUSTOMER MAY HAVE SPECIFIC EQUIPMENT REQUIREMENTS. MUST HAVE SEAL POINTS	
VAPOR CONNECTION	2" MALE CAMLOCK W/DUST CAP, WITH PIPING TO GRADE LEVEL, WITH 2" SS ISOLATION VALVE UPSTREAM OF FITTING, (INLINE PRESSURE GAUGE @ GRADE LEVEL PREFERRED). 2" WITH DUST CAP, (MUST BE ABLE TO SEAL), STANDARD 3/4" TOP VAPOR CONNTECTION MAYBE ACCEPTABLE	
NITROGEN PADDING	5-7 PSIG NITROGEN PAD UPON ARRIVAL	
TANK CLEANLINESS	<p>TRAILER MUST BE CLEAN, DRY AND ODOR FREE. FOOD GRADE OR KOSHER CLEANING/WASH CERTIFICATE MUST BE PRESENTED WITH TRAILER. ***IF TRAILER IS DEDICATED, A RE-LOAD SHEET OR COPY OF LYONDELLBASELL BOL FROM PREVIOUS 3 LOADS MUST BE PRESENTED. **NOTE: THIS PRODUCT DOES HAVE PROHIBITED PRIOR PRODUCTS.</p> <p>NOTE: TECHNICAL SERVICE MUST BE NOTIFIED WHEN A CLEAN TRAILER IS INTRODUCE INTO PGUSP SERVICES TO DETERMINE IF "PICKLING" IS NECESSARY OR TO OBTAIN ANY TYPE OF WAIVER. ADDITIONAL NOTE: CPU AND/OR CLEAN TRAILER MUST HAVE ALL OPENING COMPLETELY SEALED AFTER FOOD GRADE CLEANING, PRIOR TO ARRIVING AT LYB LOADING FACILITY.</p>	
STRAPPING CHART W/DRIVER	YES	
HOSES	HOSE(S) ARE NOT REQUIRED AT LYONDELLBASELL LOADING FACILITIES. PLEASE NOTE: THERE MAY BE SPECIFIC HOSE(S) REQUIREMENTS FOR CUSTOMER THAT SHOULD BE NOTED IN THE CARRIER INSTRUCTIONS OF THE LYONDELLBASELL SHIPPING DOCUMENT.	
ADDITIONAL APPURTENANCES	NONE FOR LYONDELLBASELL. NOTE: IT IS RECOMMENDED THAT TRAILER IS EQUIPPED WITH DUAL INLINE AIRLINE FILTERS (MINIMUM 15 MICRON SS INLINE) ON AIRLINE WHEN OFF-LOADING IS TO BE DONE WITH AIR OR NITROGEN. IT IS ALSO RECOMMENDED THE TRUCK/TRACTOR IS EQUIPPED WITH A SS PUMP IF DRIVER IS TO OFF-LOAD VIA TRUCK PUMP; TO MAINTAIN PRODUCT QUALITY	
OTHER	MUST HAVE SAP CURRENT AND MATCHING SAP SHIPPING NOTICE, TRANSWIDE CALL-OFF, OR CARRIER MANIFEST DOCUMENT. **DRIVER MUST ARRIVE AT PICKUP POINT AT SCHEDULED TIME. **DRIVER MUST ALWAYS NOTIFY LYONDELL OF ANY REQUESTED LIGHT LOADING DUE TO POTENTIAL EXCEEDING LEGAL GROSS WEIGHT. PLEASE CONTACT LYONDELLBASELL LOGISTICS WITH ANY QUESTIONS. TRAILER MUST BE COMPLETELY RE-SEALED UPON LOADING/UNLOADING. NOTE: RETURN SEALS MUST BE PROVIDED FOR DEDICATED EQUIPMENT; DRIVER IS RESPONSIBLE TO ENSURE RETURN SEALS ARE INSTALLED ON EQUIPMENT PRIOR TO LEAVING DELIVERY SITE.	
PROHIBITED	NO ADDITIONAL PERSONNEL UNLESS TEAM DRIVER, PETS ARE PROHIBITED. NOTE: CARRIER MUST REVIEW SHEET #2 FOR (PROHIBITED AND/OR ACCEPTABLE PRIORS); CARRIER MUST SEE TAB #2	

CARRIER MUST READ AND COMPLETELY UNDERSTAND THE BELOW INFORMATION PRIOR TO PREPARING AND SENDING A TRAILER TO LYONDELLBASELL FACILITY TO LOAD PURE ETHANOL

IF THE TRAILER IS CLEAN AND NOT IN DEDICATED SERVICE: PLEASE NOTE: ACCEPTABLE LAST 3 PRIOR CARGOES. ALL LAST 3 PRIOR CARGOES MUST BE CHECKED FOR COMPATIBILITY BY LYONDELLBASELL TECHNICAL SERVICE MANAGER UNLESS TRAILER IS IN A LYONDELLBASELL DEDICATED SERVICE.

FOOD OR PHARMA GRADE PRODUCTS (SOME EXAMPLES LISTED BELOW)

PGUSP
PURE ETHANOL, ETHANOL, OR ISOPROPYL ALCOHOL
GLYCERINE (SYNTHETIC ONLY)
ETHYL ALCOHOL (NOT SDA OR DENATURED)
PHOSPHORIC ACID (FOOD GRADE ONLY)
SUCROSE
FRUIT JUICES OR JUICE CONCENTRATES
HONEY
SORBITOL
MOLASSES
VINEGAR
POTABLE WATER
POLYPROPYLENE GLYCOLS (FOOD GRADE ONLY)

DISCLAIMER: ACCEPTANCE BY LYONDELL OF A PARTICULAR PRIOR CARGO DOES NOT RELIEVE THE CARRIER OF RESPONSIBILITY FOR CONTAMINATION OF THE PRODUCT BY A PRIOR CARGO. THE INTENT OF THE RESTRICTIONS ON PRIOR CARGOES IS TO PREVENT CONTAMINATION OF PURE ETHANOL BY ANY MATERIAL WHICH WOULD BE AN OBJECTIONABLE IMPURITY IF PRESENT EVEN IN TRACE AMOUNTS.

NONE ACCEPTABLE LAST PRIOR CARGOES; THESE ARE KNOWN CONTAMINATES OF PURE ETHANOL. ALL PRIOR CARGOES MUST BE CHECKED AND APPROVED BY LYONDELLBASELL TECHNICAL SERVICE MANAGER PRIOR TO LOADING.

**GASOLINE OR GASOLINE BASED PRODUCTS
OILS OR OIL BASED PRODUCTS
MONOMER OR MONOMER BASED PRODUCTS
AMIMES OR AMIME BASED PRODUCTS**