

	<p>These specifications/special requirement(s) are applicable specifically to LyondellBasell facilities for loading or unloading an Intermodal Container at a LyondellBasell site or a contracted 3PL location as applicable</p>	
<p>INTERMODAL CONTAINER SPECIFICATION</p>		
<p>PRODUCT</p>	<p>PROPYLENE GLYCOL (USP)</p>	<p>PG - USP</p>
<p>Material Characteristic and immediate hazard</p>	<p>See Product SDS</p>	
<p>DOT SPECIFICATION</p>	<p>UN T-11, (STAINLESS STEEL ISO CONTAINER). CONTAINER MUST BE DESIGNATED BY LYB AS DEDICATED TO PROPYLENE GLYCOL USP SERVICE. LAST 3 PRIOR CONTAINS MUST BE PRESENTED TO LYB FOR TECH SERVICE APPROVAL PRIOR TO BEING DESIGNATED AS A DEDICATED CONTAINER. NON-DEDICATED WILL REQUIRE LYB WRITTEN PRE-APPROVAL PRIOR TO LOADING, TO TRANSPORT PROPYLENE GLYCOL USP. SPECIAL NOTE: DATA PLATE INFORMATION MUST BE LEGIBLE AND CORRECTLY STAMPED. INSPECTION DOCUMENTATION MUST BE WITH DRIVER AS ADDITIONAL PROOF OF INSPECTION/TEST DATE VERIFICATION, TO HELP PREVENT EQUIPMENT REJECTION.</p>	
<p>INSULATION</p>	<p>PREFERRED BUT NOT REQUIRED</p>	
<p>HEATING CAPABILITIES</p>	<p>PREFERRED NOT REQUIRED</p>	
<p>GASKET MATERIAL</p>	<p>WHITE BUTYL RUBBER, WHITE EPDM, VIRGIN TEFLON, TEFLON ENCAPSULATED, **DOME GASKET MUST GIVE A LEAK TIGHT SEAL UPON COMPLETION OF LOADING</p>	
<p>CONNECTIONS/FITTINGS</p>	<p>ALL MUST BE STAINLESS STEEL, SOLID FLANGE OR PLUG MUST BE ATTACHED TO CONTAINER (AS APPLICABLE). MUST BE ABLE TO CAPABLE OF BEING SEALED WITH A 1/8" WIRE CABLE SEAL., DOME LID &amp; VALVE COVER MUST CAPABLE OF BEING SEALED WITH 1/8" WIRE CABLE SEAL.</p>	
<p>LIQUID CONNECTION</p>	<p><b>EXPORT SHIPMENT:</b> BLIND FLANGE OR SOLID CLOSURE ON BOTTOM OUTLET IF CONTAINER IS TO BE LOAED ON RAIL OR VESSEL; BOTTOM OUTLET MUST HAVE A SOLID CLOSURE; DUST CAPS NOT ACCEPTABLE. <b>DOMESTIC SHIPMENT:</b> A FLANGED 3" MALE CAMLOCK (QUICK CONNECT) W/DUST CAP - BOTTOM REAR LOADER. <b>BOTH SHIPMENT TYPES:</b> MUST BE CAPABLE OF BEING SEALED WITH A 1/8" WIRE CABLE SEAL. IF GL PIPING, (GROUND LEVEL), PIPING, IF NOT FRAME PROTECTED, SHOULD BE EQUIPPED WITH A SHEAR RING.</p>	
<p>VAPOR CONNECTION</p>	<p>1 1/2 - 2" INCH BALL VALVE WITH BULL PLUG, BULL PLUG MUST BE ATTACHED WITH CHAIN/CABLE AND VALVE MUST BE ABLE TO SEALED W/1/8" WIRE CABLE SEAL. VAPOR CLOSURES MUST ALIGN WITH SHIPMENT MODE REQUIREMENTS. <b>NOTE:</b> PROTECTIVE COVER FOR MAN-LID AND VAPOR CONNECTION MUST ALSO HAVE THE CAPABILITY TO SEALED. <b>NOTE:</b> IF GLV, (GROUND LEVEL VAPOR), PIPING SHOULD BE EQUIPPED WITH A SHEAR RING. NO INLINE RUBBER HOSE ACCEPTABLE, ONLY SS FLEX HOSE OR HARD PIPING. THIS APPLIES FOR EXPORT OR DOMESTIC SHIPMENTS.</p>	
<p>NITROGEN PADDING</p>	<p>NITROGEN PURGE FOR DRYING &amp; MOISTURE CONTROL. CLEAN CONTAINER MUST HAVE A 5-7 PSIG PAD UPON ARRIVAL AT LOADING FACILITY. RE-LOAD/RESUE CONTAINER MAY RETURN WITH LAST OFF-LOADING PRESSURE OR MINIMUM OF 5-7 PSIG.</p>	
<p>TANK CLEANLINESS</p>	<p>IF CONTAINER IS CLEANED, A CLEANING CERTIFICATE IS REQUIRED. CONTAINER MUST BE CLEAN, DRY, AND ODOR FREE. <b>NOTE:</b> IF CONTAINER IS RE-LOAD, THE PRIOR LYONDELLBASELLSHIPPING DOCUMENTS ARE REQUIRED AS PROOF THAT THE LAST CONTAINED WAS LYONDELLBASELL MATERIAL. CONTAINER MUST BE ON LYONDELLBASELL LIST AS DEDICATED TO PROPYLENE GLYCOL (USP).</p>	
<p>STRAPPING CHART REQUIRED</p>	<p>YES. <b>NOTE:</b> LEVEL GAUGE/INDICATOR ALSO PREFERRED</p>	
<p>HOSES</p>	<p>HOSE(S) ARE NOT REQUIRED AT LYONDELLBASELL LOADING FACILITIES. <b>NOTE:</b> HOSE(S) ARE NOT TRANSPORTED BY CARRIER FOR EXPORT SHIPMENTS.</p>	
<p>ADDITIONAL APPURTENANCES OR REQUIREMENTS</p>	<p>NONE - <b>NOTE:</b> CARRIER SHOULD ALWAYS NOTE CARRIER'S INSTRUCTION FOR ANY ADDITIONAL EQUIPMENT, DRIVER'S REQUIREMENT, ETC. NOTE: ALL OPENING TO CONTAINER MUST BE CAPABLE OF BEING SEALED WITH 1/8" WIRE CABLE SEAL. <b>NOTE:</b> PRODUCT LABELING IS REQUIRED WITH CONTAINER/(DRIVER), UPON ARRIVAL TO LOADING FACILITY.</p>	
<p>OTHER</p>	<p>MUST HAVE LYB 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, (PRIOR TO LOADING), DUE TO POTENTIAL EXCEEDING LEGAL GROSS WEIGHT. PLEASE CONTACT LYONDELLBASELL LOGISTICS WITH ANY QUESTIONS</p>	
<p>PROHIBITED</p>	<p>PETS ARE PROHIBITED; ADDITIONAL PERSONNEL ONLY IF TEAM DRIVERS. <b>NOTE:</b> PLEASE SEE TAB (#2) FOR SOME ACCEPTABLE PRIORS</p>	

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

**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  
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 PGUSP 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 PGUSP. 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