



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

INTERMODAL CONTAINER SPECIFICATION

PRODUCT

BUTANEDIOL

BDO

Material Characteristic and immediate hazard

See Product SDS

DOT SPECIFICATION

UN T-11, (STAINLESS STEEL CONTAINER). CONTAINER MUST BE DESIGNATED BY LYB AS DEDICATED TO BUTANEDIOL SERVICE. NON-DEDICATED WILL REQUIRE LYB WRITTEN PRE-APPROVAL PRIOR TO LOADING, TO TRANSPORT BUTANEDIOL. **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.

INSULATION

REQUIRED

HEATING CAPABILITIES

REQUIRED

GASKET MATERIAL

WHITE BUTYL RUBBER, WHITE EPDM, VIRGIN TEFLON, TEFLON ENCAPSULATED, \*\*DOME GASKET MUST GIVE A LEAK TIGHT SEAL UPON COMPLETION OF LOADING

CONNECTIONS/FITTINGS

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 & VALVE COVER MUST CAPABLE OF BEING SEALED WITH 1/8" WIRE CABLE SEAL.

LIQUID CONNECTION

**EXPORT SHIPMENT:** BLIND FLANGE OR SOLID CLOSURE ON BOTTOM OUTLET IF CONTAINER IS TO BE LOADED ON RAIL OR VESSEL; BOTTOM OUTLET MUST HAVE A SOLID CLOSURE; DUST CAPS NOT ACCEPTABLE AS A SOLID CLOSURE. **DOMESTIC SHIPMENT:** A FLANGED 3" MALE CAMLOCK (QUICK CONNECT) W/DUST CAP - BOTTOM REAR LOADER. **BOTH SHIPMENT TYPES:** 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.

VAPOR CONNECTION

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. **NOTE:** PROTECTIVE COVER FOR MAN-LID AND VAPOR CONNECTION MUST ALSO HAVE THE CAPABILITY TO SEALED. **NOTE:** IF GLV, (GROUND LEVEL VAPOR), PIPING, IF NOT FRAME PROTECTED, 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.

NITROGEN PADDING

NITROGEN PURGE FOR DRYING & 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.

TANK CLEANLINESS

IF CONTAINER IS CLEANED, A CLEANING CERTIFICATE IS REQUIRED. CONTAINER MUST BE CLEAN, DRY, AND ODOR FREE. **NOTE:** IF CONTAINER IS RE-LOAD, THE PRIOR SHIPPING LYONDELLBASELL SHIPPING DOCUMENTS IS REQUIRED AS PROOF THAT THE LAST CONTAINED WAS LYONDELLBASELL MATERIAL. THE CONTAINER MUST BE LISTED AS A DEDICATED BUTANEDIOL CONTAINER.

STRAPPING CHART REQUIRED

YES, **NOTE:** LEVEL GAUGE/INDICATOR ALSO PREFERRED

HOSES

HOSE(S) ARE NOT REQUIRED AT LYONDELLBASELL LOADING FACILITIES. **NOTE:** HOSE(S) ARE NOT TRANSPORTED BY CARRIER FOR EXPORT SHIPMENTS.

ADDITIONAL APPURTENANCES OR REQUIREMENTS

NONE - **NOTE:** 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. **NOTE:** PRODUCT LABELING IS REQUIRED WITH CONTAINER(DRIVER), UPON ARRIVAL TO LOADING FACILITY. **SPECIAL NOTE:** CONTAINER MUST BE RE-SEALED IMMEDIATELY AFTER UNLOADING.

OTHER

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

PROHIBITED

PETS ARE PROHIBITED; ADDITIONAL PERSONNEL ONLY IF TEAM DRIVERS