



SHELL

CARGO HANDLING SHEET

Ethyl Benzene

Cargo Handling Sheets are for the use of vessels chartered on behalf of Shell.

Product Details

Trade Name:	Ethyl Benzene
IMO Product Name:	Ethyl Benzene
Chemical Family:	Aromatic Hydrocarbon Mixture

[Link to Safety Data Sheet](#)

Physical Properties

Density:	868 kg/m ³ (20 °C / 68 °F)
Dynamic Viscosity:	0.671 mPa.s (20 °C / 68 °F)
Vapor Pressure:	500 Pa (10 °C / 50 °F) 950 Pa (20 °C / 68 °F) 7,400 Pa (60 °C / 140 °F)
Boiling Point:	136.2 °C / 277.2 °F
Melting Point:	-95 °C / -139°F
Flash Point:	22 - 23 °C / 72 - 73 °F.
Appearance:	Clear liquid, aromatic hydrocarbon odor

Note 1: Physical Properties are for reference only and valid as of date of this revision; see loading terminal for specific properties.

Note 2: Hazard Identification: Highly flammable, static accumulator; see SDS for full list of hazards and precautions.

Marpol Details

Marpol Annex:	II
IMO Ship Type:	2
Inland Barge:	Double Hull
IMO Pollution Category:	Y
IBC 16.2.6:	No
IBC 16.2.7:	No
IBC 16.2.9:	No
Pre-Wash Required:	No

Compatibility Group: USCG compatibility group 34

Cargo Handling Requirements

N2 Purge Cargo Tanks Prior Loading:	No
N2 Blanket Required:	No
Adjacent Space Purge:	No
Loading Temperature Range:	Ambient to 40 °C / 104 °F
Transit Temperature Range:	Ambient to 40 °C / 104 °F
Unloading Temperature Range:	Ambient to 40 °C / 104 °F
Maximum Heating Coil Temperature:	Blanked off.
Maximum Adjacent Temperature:	40°C / 104 °F

Note 1: If vessel is required to inert tanks, then only N2 will be accepted as an inerting medium.

Note 2: If Nitrogen blanket is in place and Carrier chooses to transship, carrier must reapply nitrogen blanket on the cargo, both on the discharging and receiving vessel, at their time, risk, and expense.

Transshipments

Prior to arranging transshipment Charterer must agree to Owner's proposed plan. When arranged by the Owner, Owner must ensure that all transshipment vessels comply with the requirements of this cargo handling sheet.

Tank Acceptance Requirement	
Banned Prior Cargo:	No
Stainless Steel or Coated Tanks:	Either, carrier to verify suitability of coating for product
All nominated shipboard cargo handling systems are to be presented clean (residual free), dry, odor free, rust free, with good gaskets, fit to load this cargo.	
Maintenance of heating coils is to be verified in the ship's log. If product is to be heated, heating coils are to be confirmed leak free. If product is not heated, heating coils are to be blown clear, dried with N2, and blanked off.	

Wall Wash Test Requirement	
Wall Wash Required:	No

Safety Information and Incident Reporting

Safety Information: Refer the SDS (Safety Data Sheet) or e-SDS.

Incident Reporting: All incidents should be reported in accordance with regulations and charter party requirements. For additional marine cargo handling advice or information, contact the regional Chemical Marine Technical Advisor.



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