



**Shell**

# Cargo Handling Sheet

Ortho Xylene

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Revision 7

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

## Product Details

Trade Name: Ortho-Xylene  
IMO product Name: Xylenes  
Chemical Family: Aromatic Hydrocarbon Mixtures  
Product Code: Q9163, Q9167, Q9304

SDS: <http://www.shell.com/business-customers/chemicals/safe-product-handling-and-transportation/safety-data-sheets.html>

## Physical Properties

Density: 883 - 885 kg/m<sup>3</sup> (15 °C / 59 °F)  
Dynamic Viscosity: 0.9 mPa.s (20 °C / 68 °F)  
Vapor Pressure: 0.882 kPa (25 °C)  
Boiling Point: 145 °C / 293 °F  
Melting Point: -24°C / -11.2 °F  
Flash Point: > 27 - 32 °C / 81 - 90 °F  
Appearance: Colourless

**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: Flammable, Static accumulator; See SDS for full list of hazards and precautions.

## Transshipment

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

## Marpol Details

Marpol Annex: II  
IMO Ship Type: 2  
Inland Barge: Double Hull  
IMO Pollution Category: Y  
IBC 16.2.6: No

IBC 16.2.9 (h): Yes

Pre-wash Required: No pre-wash required when unloaded in accordance with CHS

Compatibility Group: USCG compatibility group 32

### Cargo Handling Requirements

N2 Purge Cargo Tanks Prior Loading: Not a Product Quality requirement; see notes below

N2 Blanket Required: Not a Product Quality requirement; see notes below

Adjacent Space Purge: No

Loading Temperature Range: Ambient

Transit Temperature Range: Ambient - 45 ° C / 113 °F

Unloading Temperature Range: Ambient - 45 ° C / 113 °F

Maximum Heating Coil Temperature: Blanked off

Maximum Adjacent Temperature: 45 ° C / 113 °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 tranship, carrier must reapply nitrogen blanket on the cargo, both on the unloading and receiving vessel, at their time, risk, and expense.

### Regional Requirements

None

### Tank Acceptance Requirements

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 and dried with N2, and blanked off.

**Stainless Steel or Coated Tank:** Either, carrier to verify suitability of coating

**Banned Prior Required:** No

**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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