



**Shell Chemicals**

# Cargo Handling Sheet

ShellSol TD

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Revision 7

*Cargo Handling Sheets are for the use of vessels chartered by Shell Chemicals*

## Product Details

Product Name:	ShellSol TD
Shipping Name:	Petroleum Naphtha
Chemical Family:	Naphtha
Product Code:	Q7411

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

## Physical Properties

Density:	Typical 751 kg/m <sup>3</sup> (15 °C / 59 °F)
Kinematic Viscosity:	Typical 1.6 mm <sup>2</sup> /s (25 °C / 77 °F)
Vapor Pressure:	Typical 160 Pa (20 °C / 68 °F)
Boiling Point:	Typical 172 - 185 °C / 342 - 365 °F
Melting Point:	Not Available
Flash Point:	Typical 44 °C / 111 °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:** This product is a Static Accumulator

**Transhipment** Prior to arranging transhipment, Charterers must agree to Owner's proposed plan.

## Marpol Details

Marpol Annex:	I
IMO Ship Type:	Double hull vessel with carriage of oil certification
Inland Barge:	Double Hull
IMO Pollution Category:	Annex I
IBC 16.2.6:	Not Applicable
IBC 16.2.9:	Not Applicable

Pre-Wash Required: Not Applicable

Compatibility Group: USCG Compatibility group 33

### Cargo Handling Requirements

N2 Purge Cargo Tanks Prior Loading: No

N2 Blanket Required: No; not a PQ requirement; see Notes Below

Adjacent Space Purge: No

Loading Temperature Range: Ambient

Transit Temperature Range: Ambient

Discharge Temperature Range: Ambient

Maximum Heating Coil Temperature: Blanked off

Adjacent Maximum Cargo Temperature: 40 °C / 104 °F

**Note 1:** If vessel must inert tanks in accordance with regulation and/or Shell Chemical Inert Gas Clause, 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 ship, at their time, risk, and expense.

**Note 3:** PQ = Product Quality

### Regional Requirements

None

### Tank Acceptance Requirements

All nominated shipboard cargo handling systems are to be presented clean (residual free), dry, odour 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 for product

**Prior Cargo Restrictions:** No

**Wall Wash Required:** No

## Safety Information and Incident Reporting

### Safety Information:

For more detailed information, refer to the SDS or e-SDS for reportable spill/release quantities whether in the water, air or ground.

### Incident Reporting:

International Registered Vessels: If an incident occurs call Shell International Trading and Shipping in London on +442079347777.

Jones Act Vessels: call the Shell 24 hr. incident number at +17132412532. The USA National Response Center telephone number is +18004248802.

For additional marine cargo handling advice or information, contact Captain Stephen Boudreaux at +17132413945 or Capt. Ben van Bommel at +31104415992.



#### Shell Chemical LP

PO Box 4407

Houston

Texas 77210

USA

Tel +1 866 897 4355

Internet <http://www.shell.com/chemicals>

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