



**Shell Chemicals**

# Cargo Handling Sheet

ShellSol D40

Document Date: 14 July 2017  
Revision 4

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

### Product Details:

Product Name: ShellSol D40  
Shipping Name: Solvent Naphtha  
Chemical Family: Naphtha  
Product Code: Q3362

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

### Physical Properties:

Density: Typical 769 - 790 kg/m<sup>3</sup> (15 °C / 59 °F)  
Kinematic Viscosity: Typical 1.14 mm<sup>2</sup>/s (25 °C / 77 °F)  
Vapor Pressure: 300 Pa (20 °C / 68 °F)  
Boiling Point: Typical 149 - 213 °C / 300 - 415 °F  
Melting Point: Data not available  
Flash Point: Typical 40 - 46 °C / 104 - 115 °F  
Appearance: Light Coloured

**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.

**Transshipments** 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; wash/disposal as per Annex I

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 tranship, carrier must reapply nitrogen blanket on the cargo, both on the discharging and receiving vessel, 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.



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