



Shell

Cargo Handling Sheet

ShellSol D40

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Revision 5

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

Product Details:

Trade Name: ShellSol D40
IMO Product 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: 769 - 790 kg/m³ (15 °C / 59 °F)
Kinematic Viscosity: 1.14 mm²/s (25 °C / 77 °F)
Vapor Pressure: 300 Pa (20 °C / 68 °F)
Boiling Point: 149 - 213 °C / 300 - 415 °F
Melting Point: Data not available
Flash Point: 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: Hazard Identification: Flammable and Static accumulator; See SDS for full list of hazards and precautions.

Transhipments

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

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: Not a Product Quality requirement; see notes below
Adjacent Space Purge: No
Loading Temperature Range: Ambient
Transit Temperature Range: Ambient - 40 °C / 104 °F
Unloading Temperature Range: Ambient - 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 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, 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
Banned Prior Cargo: 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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