



Shell Chemicals

Cargo Handling Sheet

Crude Oil

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Revision 3

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

Product Details

Product Name: Crude Oil
Shipping Name: Petroleum Crude Oil
Chemical Family: Feedstock
Product Code: X3022, X3303, X3379, X3302, X2973, X2958, X3021

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

Physical Properties

Density: Various API, 10 - 36
Kinematic Viscosity: 3 - 1000 mm²/s (40 °C / 104 °F)
Vapor Pressure: Data not available
Boiling Point: < 38 °C / < 100 °F
Melting Point: Data not available
Flash Point: < 23 °C / < 73 °F
Appearance: Brown to black in colour

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

Note 3: May contain H₂S

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

Marpol Details

Marpol Annex: I
IMO Ship Type: Double hull vessels certified for carriage of oil
Inland Barges: Double Hull
IMO Pollution Category: Annex I Oil
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

Inert Cargo Tanks Prior Loading: No
Inert Blanket Required: 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: Ambient

Note 1: If vessel must inert tanks in accordance with regulation and/or Shell Chemical Inert Gas Clause, then either IG or N2 will be accepted as an inerting medium.

Note 2: If tanks are inerted and Carrier chooses to tranship, carrier must reapply inert gas on the cargo, both on the discharging and receiving vessel, at their time, risk, and expense.

Note 3: PQ = Product Quality

Regional Requirements

Note 1: Ship Manager to present prior cargoes to Shell Chemicals charterer prior to fixing.

Note 2: Inerting not required on US Barges

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 for product; mild steel is acceptable
Prior Cargo Restrictions: None; see Regional Requirement above
Wall Wash Required: None

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 (44) 207-934-7777.

Jones Act Vessels: call the Shell 24 hr. incident number at (1) 713-241-2532. The USA National Response Center telephone number is (1) 800-424-8802.

For additional marine cargo handling advice or information, contact Captain Stephen Boudreaux at (1) 713 241 3945.



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