Shell Chemicals

Cargo Handling Sheet

Shell 150N (Daesan)

Document Date: 28 July 2017
Revision 4

This Cargo Handling Sheet is for the use of vessels chartered by Shell Chemicals or SETL or SIETCO

This product shipped on behalf of Hyundai and Shell Base Oil

Product Details

Product Name:	Shell150N (Daesan)
Shipping Name:	Base Oil
Product Description:	Base Oil (Highly refined mineral oil)
Product Code:	001E9776
SDS:	http://www.shell.com/business-customers/chemicals/safe-product-handling-and-transportation/safety-data-sheets.html

Physical Properties

Density:	900 kg/m3 (15 °C / 59 °F)
Kinematic Viscosity:	30.44 mm2/s (40 °C / 104 °F)
Vapor Pressure:	< 0.5 Pa (20 °C / 68 °F)
Boiling Point:	> 280 °C / 536 °F
Pour Point:	Not Available
Flash Point:	216 °C / 421 °F
Appearance:	Amber

Note 1: Physical Properties are for reference only and valid as of date of this revision; see loading terminal for specific properties.

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
IBFC 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 32

Cargo Handling Requirements

N2 Purge Cargo Tanks Prior Loading: No

N2 Blanket Required: No

Adjacent Space Purge: No

Loading Temperature Range: Ambient

Transit Temperature Range: Ambient

Discharge Temperature Range: Ambient – 35 °C

Maximum Heating Coil Temperature: 60 °C

Adjacent Maximum Cargo Temperature: 50 °C

Regional Requirements

Note 1: During winter months it may be necessary to apply heat to this product to lower viscosity, and improve pumping performance.

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
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 Bemmel at +31104415992.

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