



Shell Chemicals

Cargo Handling Sheet

Shell HVI 160B

Document Date: 11 August 2017
Revision 4

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

This Cargo Handling Sheet is produced on behalf of Shell Trading.

Product Details

Product Name:	Shell HVI 160B
Shipping Name:	Base Oil
Chemical Family:	Paraffinic Base Oil
Product Code:	901R0039
SDS:	Get from loading terminal or charterer

Physical Details

Density:	888 kg/m ³ (15.0 °C / 59.0 °F)
Kinematic Viscosity:	100 mm ² /s (40.0 °C / 104.0 °F)
Vapor Pressure:	< 0.5 Pa (20 °C / 68 °F)
Boiling Point:	> 280 °C / 536 °F
Pour Point:	-9 °C / 16 °F
Flash Point:	230 - 240 °C / 446 - 464 °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.

Transhipments Prior to arranging transhipment Charterer must agree as to Owner's proposed plan.

Marpol Details

Marpol Annex:	Annex I
IMO Ship Type:	Double Hull vessels certified for carriage of oil
Inland Barges:	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
Adjacent Space Purge:	No
Loading Temperature Range:	< 38 °C; may be higher if direct from plant
Transit Temperature Range:	30 – 35 °C / 86 – 95 °F
Discharge Temperature Range:	40 – 45 °C / 104 – 113 °F
Maximum Heating Coil Temperature:	60 °C / 140 °F
Adjacent Maximum Cargo Temperature:	50 °C / 122 °F

Note 1: Product to be allowed to drop to carriage temperature. Temperature of product not to be heated to >38 °C / 100 °F during the voyage.

Regional Requirements

None

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 Bommel at +31104415992.



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