



**Shell Chemicals**

# Cargo Handling Sheet

Shell HVI 105

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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 105  
Shipping Name: Shell HVI 105  
Chemical Family: Paraffinic Base Oil  
Product Code: 901R0032

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

### Physical Properties

Density: 883 kg/m<sup>3</sup> @ 15 deg C.  
Kinematic Viscosity: 57 mm<sup>2</sup>/s (40 °C / 104 °F)  
Vapor Pressure: < 0,5 Pa (20 °C / 68 °F)  
Boiling Point: > 280 °C / 536 °F  
Pour Point: -9 °C / 16 °F  
Flash Point: 240 °C / 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:	Ambient
Transit Temperature Range:	Ambient
Discharge Temperature Range:	Ambient
Maximum Heating Coil Temperature:	Blanked off
Adjacent Maximum Cargo Temperature:	40 °C / 104 °F

### 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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