



**Shell**

# Cargo Handling Sheet

BS 150

Document Date: 04 March 2022  
Revision 4

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

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

### Product Details

Product Name:	BS 150
IMO Product Name:	BS 150
Chemical Family:	Base Oil
Product Code:	001B7318
SDS:	supplied by loading terminal

### Physical Details

Density:	890 kg/m <sup>3</sup> (15.0 °C / 59.0 °F)
Kinematic Viscosity:	503 mm <sup>2</sup> /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:	298 °C / 568 °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.

**Note 2:** Hazard Identification: Not classified as a physical hazard or health hazard under GHS criteria, Static Accumulator; See SDS for full list of hazards and precautions.

### Transhipment

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 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:	40 - 45 °C / 104 - 113 °F
Transit Temperature Range:	38 - 45 °C / 100 - 113 °F
Unloading Temperature Range:	38 - 45 °C / 100 - 113 °F
Maximum Heating Coil Temperature:	60 °C / 140 °F
Maximum Adjacent Temperature:	45 °C / 113 °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:** 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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