

# Cargo Handling Sheet

Non-Shell Product

GS Caltex Kixx LUBO 600N

Document Date: 15 September 2017  
Revision 1

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

*Information is obtained from supplier's SDS and other reference publications.*

### Product Details

Product Name:	GS Caltex Kixx LUBO 600N
Shipping Name:	Base Oil
Chemical Family:	Base Oil (Hydrotreated heavy paraffinic distillate)
Product Code:	Non-Shell; GS Caltex product
SDS:	Get from loading terminal or charterer

### Physical Properties

Density:	0.870 kg/l @ 15 °C / 59 °F
Kinematic Viscosity:	102.00 mm <sup>2</sup> /s @ 40 °C / 104 °F
Vapor Pressure:	5 mm hg @ 20 °C / 68 °F
Boiling Point:	> 204 °C / 399 °F
Melting Point:	Data Not Available
Flash Point:	> 246 °C / 475 °F
Appearance:	Clear, Colourless

**Note 1:** Physical Properties are for reference only; see loading terminal for specific properties.

**Note 2:** This product may be a static accumulator.

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

### Marpol Details

Marpol Annex:	Annex 1
IMO Ship Type:	Double hull vessels certified for carriage of oil
Inland Barge:	Double Hull
IMO Pollution Category:	Annex 1
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 – 50 °C; see Note below

Transit Temperature Range: 35 – 45 °C; see Note below

Discharge Temperature Range: 35 – 45 °C; see Note below

Maximum Heating Coil Temperature: 60 °C

Adjacent Maximum Cargo Temperature: 50 °C; see Note below

**Note 1:** Carriage temperatures based on prior voyage. Carrier to verify with supplier correct heating requirements.

### 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 for vessels on Shell charter.

International Registered Vessels: 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.

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