

Cargo Handling Sheet

Non-Shell Chemical Product

LMO Slack Wax

Document Date: 14 January 2022

Revision 6

This Cargo Handling Sheet is for the use of vessels chartered on behalf of Shell or SETL or SIETCO

Product supplied by Shell Bukom; Information is obtained from supplier's SDS and other reference publications.

Product Details

Product Name: LMO Slack Wax
IMO Product Name: Hydrocarbon wax
Chemical Family: Petroleum Wax
Product Code: 002D6031, 002D5804
SDS: Shell Bukom to Provide

Physical Properties

Density: 810 kg/m³ (70 °C / 158 °F)
Kinematic Viscosity: 5.8 mm²/s (100 °C / 212 °F)
Dynamic Viscosity: Not Available, solid at 20°C / 68°F
At no temperature above the melting point does the dynamic viscosity equal or exceed 50 mPa.s
Vapor Pressure: <= 0.0005 kPa (20.0 °C / 68.0 °F)
Boiling Point: 330 - 555 °C / 626 - 1031 °F
Melting Point: 52° - 62 °C / 126° - 144 °F
Flash Point: >= 210 °C / 410 °F
Appearance: Waxy solid at 20 °C; Yellow Colour, slight hydrocarbon odor

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, Thermal hazard; See SDS for full list of hazards and precautions.

Transhipments

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:	II
IMO Ship Type:	2
IMO Pollution Category:	X
IBC 16.2.6:	Yes
IBC 16.2.9:	Yes
Pre-Wash Required:	Yes
Compatibility Group:	USCG compatibility group 31

Cargo Handling Requirements

N2 Purge Cargo Tanks Prior Loading:	No
N2 Blanket Required:	No
Adjacent Space Purge:	No
Loading Temperature Range:	75° - 80 °C / 167° - 176 °F
Transit Temperature Range:	75° - 80 °C / 167° - 176 °F
Discharge Temperature Range:	75° - 80 °C / 167° - 176 °F
Maximum Heating Coil Temperature:	100°C
Adjacent Maximum Cargo Temperature:	None

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 Tanks: Either. Stainless Steel preferred due to carriage temperatures; carrier to verify suitability of coating for product
Prior Cargo Restrictions: None
Wall Wash Required: None

Safety Information and Incident Reporting

Safety Information:

HSSE information can be found in the SDS or e-SDS.

Incident Reporting:

All incidents should be reported in accordance with regulations and charter party requirements.

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 the responsible regional Shell Marine Technical Advisor.

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