



Shell

Cargo Handling Sheet

Yubase 4

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Revision 3

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

Product Details

Trade Name: Yubase 4
IMO Product Name: Base Oil
Chemical Family: Paraffins
Product Code: 002D6059

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

Physical Properties

Density: 834 kg/m³ at 15 °C / 59 °F
Kinematic Viscosity: 18 - 21 mm²/s at 40 °C / 104 °F
Vapor Pressure: < 0.5 Pa at 20 °C / 68 °F
Boiling Point: > 280 °C / 536 °F
Pour Point: -12 °C / 10 °F
Flash Point: 200 °C / 392 °F
Appearance: Colourless to 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: Static accumulator; See SDS for full list of hazards and precautions

Transshipment

Prior to arranging transshipment Charterer must agree to Owner's proposed plan. When arranged by the Owner, Owner must ensure that all transshipment vessels comply with the requirements of this cargo handling sheet.

Marpol Details

Marpol Annex: Annex I
IMO Ship Type: Double Hull vessels certified for carriage of oil
Inland Barges: Double Hull
IMO Pollution Category: Not Applicable
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
Unloading Temperature Range:	Ambient
Maximum Heating Coil Temperature:	Blanked off
Maximum Adjacent Temperature:	60 °C / 140 °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
Banned Prior Cargo:	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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