



**Shell Chemicals**

# Cargo Handling Sheet

Blended Pyrolysis Pitch

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Revision: 1

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

## Product Details

Product Name: Blended Pyrolysis Pitch

IMO Product Name: Fuel oil, pyrolysis

Chemical Family: Hydrocarbon

Product Code: X2219

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

## Physical Properties

Relative Density: 0.9593

Dynamic Viscosity: Data not available

Vapor Pressure: Data not available

Boiling Point: > 235 °C / > 455 °F

Melting Point: -95 °C / -139 °F

Flash Point: 93 °C / 199 °F

Appearance: Black oily liquid with strong hydrocarbon or rotten egg odour

**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: Combustible liquid but Flammable vapours may be present even at temperatures below the flash point, static accumulator; contains Hydrogen Sulphide, thermal hazards, may cause cancer; 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 hulled vessel certified for the carriage of oil

Inland Barge: Double Hull

IMO Pollution Category:	Annex I
IBC 16.2.6:	Not applicable
IBC 16.2.9:	Not applicable
Pre-Wash Required:	Not applicable
Compatibility Group:	USCG compatibility group 33

### Cargo Handling Requirements

N2 Purge Cargo Tanks Prior Loading:	No
N2 Blanket Required:	Not a PQ requirement
Adjacent Space Purge:	No
Loading Temperature Range:	77 – 82 °C / 170 – 180 °F
Transit Temperature Range:	71 – 82 °C / 160 – 180 °F
Discharge Temperature Range:	71 – 82 °C / 160 – 180 °F
Maximum Heating Coil Temperature:	85 °C / 185 °F
Adjacent Maximum Cargo Temperature:	82 °C / 180 °F

**Note 1:** If vessel is required to inert tanks then either N2 or inert gas from an IGG is acceptable.

### Regional Requirements

**Note 1:** US Barge: Coatings – Stainless Steel, Mild Steel, amine-adduct cured epoxy; N2 - not required. Vapor Return – Yes; Heat – Yes, must have onboard high capacity heater.

### 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:	Stainless Steel, Mild Steel or coated; carrier to verify suitability of coating for product
Banned Prior Cargo:	No
Wall Wash Required:	No

## 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 Chemicals Marine Technical Advisor.



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