



SHELL

CARGO HANDLING SHEET

NEODENE 6 XHP

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

Product Details

Trade Name:	NEODENE 6 XHP, BC NEODENE 6 XHP
IMO Product Name:	Hexene (all isomers)
Chemical Family:	Olefins

[Link to Safety Data Sheet](#)

Physical Properties

Density:	677 kg/m ³ (20 °C / 68 °F)
Dynamic Viscosity:	0.23 mPa.s (20 °C / 68 °F)
Vapor Pressure:	0.414 bar (37.8°C / 100°F)
Boiling Point:	61 - 78°C / 142 - 172°F
Pour Point:	-140°C / -172°F
Flash Point:	-29 °C / -20°F
Appearance:	Liquid at room temperature; mild 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: Highly Flammable, Static accumulator; See SDS for full list of hazards and precautions.

Marpol Details

Marpol Annex:	II
IMO Ship Type:	3
Inland Barge:	Double Hull
IMO Pollution Category:	Y
IBC 16.2.6:	No
IBC 16.2.7:	No
IBC 16.2.9:	No
Pre-Wash Required:	No

Compatibility Group: USCG compatibility group 30

Cargo Handling Requirements

N2 Purge Cargo Tanks Prior Loading:	Yes, Product Quality requirement; Max 100 ppm (0.01%) O ₂ , 99.99% N ₂ Purity, see Notes below.
Pre-loading N2 Purge Dew Point:	-35 °C
N2 Blanket Required:	Yes, Product Quality requirement; Max 100 ppm (0.1%) O ₂ , see Notes and Regional Requirement below.
Adjacent Space Purge:	No
Loading Temperature Range:	Ambient
Transit Temperature Range:	Ambient – 40 °C / 104 °F
Unloading Temperature Range:	Ambient – 40 °C / 104 °F
Maximum Heating Coil Temperature:	Blanked off.
Maximum Adjacent Temperature:	40 °C / 104 °F

Note 1: Due to product quality concerns, this product should not be carried in tanks serviced by a cargo pump room.

Note 2: All drain valves, plugs, and associated lines should be flushed and blown dry with nitrogen.

Note 3: Special attention should be given to the tightness of all tank and cargo line packings and gaskets, also to the relevant p/v valve and any closed loading equipment in use, to ensure no ingress of air into the cargo tank.

Note 4: All cargo lines and hoses used during loading operations must also be utilized during unloading operations.

Note 5: If Nitrogen blanket is in place and Carrier chooses to transship, carrier must reapply nitrogen blanket on the cargo, both on the unloading and receiving vessel, at their time, risk, and expense.

Note 6: N₂ Blanket:

a. O₂ level in tanks: Max 100 ppm (0.01%) O₂.

b. Vessel to maintain a constant nitrogen overpressure of 20 millibars or more during the voyage.

Daily Log: During the voyage the vessel shall maintain a daily log of the following and the log shall be sent to the Shell Charterer/Planner at the time of unloading. Tank pressure, O₂ level and Tank Temperature.

Regional Requirements

None.

Transshipments

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.

Tank Acceptance Requirement	
Banned Prior Cargo:	Isocyanates
Stainless Steel or Coated Tanks:	Stainless steel only
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, dried with N2, and blanked off.	

Wall Wash Test Requirement	
Wall Wash Required:	Yes; all conducted with Methanol except PH test, which uses DI water.
Stainless Steel Tanks	Verification of shipboard WWT may be accepted if below specs are met. (Send WWT Verification to the responsible Shell charterer/planner and present to cargo surveyor and loading master at loading terminal.) Link to: WWT Verification Form

Wall Wash Test	Specification	Standard
Appearance	Clear and free from suspended matter	ASTM D4176
Chlorides	Max 3.0 ppm	IMPCA 002-98
Hydrocarbons	Pass	ASTM D1722
Color Test	Max 5 Pt/Co	ASTM D1209

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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