



Shell Chemicals

Cargo Handling Sheet

Neodene 8

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Revision 11

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

Product Details

Product Name: Neodene 8 Alpha Olefin

IMO Product Name: Octene (all isomers)

Chemical Family: Olefins

Product Code: V1168, V9310

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

Physical Properties

Density: 715 kg/m³ (20 °C / 68 °F)

Dynamic Viscosity: 0.39 mPa.s (38 °C / 100 °F)

Vapor Pressure: 2,030 Pa (20 °C / 68 °F)

Boiling Point: 121 - 122 °C / 250 - 252 °F

Melting Point: -102 °C / -152 °F

Flash Point: 10 - 14 °C / 50 - 57 °F

Appearance: Colourless liquid at room temperature; mild hydrocarbon 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: highly flammable and Static accumulator; 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: II

IMO Ship Type: 2

Inland Barge: Double Hull

IMO Pollution Category: Y

IBC 16 2 6: No

IBC 16.2.9: No
Pre-Wash Required: No
Cargo Compatibility: USCG compatibility group 30

Cargo Handling Requirements

N2 Purge Cargo Tanks Prior Loading: Yes, PQ requirement; 99.95% N2 Purity, see Notes below

Pre-Load Purge O2 Content: No Antioxidant: Max 500 ppm (0.05%) O2
With Antioxidant: Max 10% O2

Pre-Load Purge Dew Point: No Antioxidant: -35 °C

N2 Blanket Required: Yes, PQ requirement; 99.95% N2 Purity, see Notes below

Percent O2 in Nitrogen Blanket: No Antioxidant: Max 500 ppm (0.05%) O2
With Antioxidant: Max 5% O2

Adjacent Space Purge: No

Loading Temperature Range: Ambient

Transit Temperature Range: Ambient - 40 °C / 104 °F

Discharge Temperature Range: Ambient - 40 °C / 104 °F

Maximum Heating Coil Temperature: Blanked off

Adjacent Maximum Cargo Temperature: 40 °C / 104 °F

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

Note 2: This product is not self-reactive; an inhibitor certificate is not needed when antioxidant is added.

Note 3: If Nitrogen blanket is in place and Carrier chooses to tranship, carrier must reapply nitrogen blanket on the cargo, both on the discharging and receiving vessel, at their time, risk, and expense.

Note 4: PQ = Product Quality

Note 5: N2 Blanket Guidance:

- a. O2 level in tanks: see Cargo Handling Requirements above
- b. Vessel to maintain a constant nitrogen overpressure of 20 millibars or more during the voyage
- c. **DAILY LOG:** During the voyage the vessel shall maintain a daily log of the following and the log shall be sent to the Shell Charterers/Planners at the time of discharge.
 1. Tank pressure
 2. O2 level
 3. Tank Temperature

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: Stainless steel only

Banned Prior Cargo: No

Wall Wash Required: Yes

Stainless Steel Tanks: verification of shipboard WWT may be accepted if below specs are met. (Send WWT Verification to the responsible Shell Chemicals charterer and present to cargo surveyor and loading master at loading terminal.)

Wall Wash Test:	Specification	Standard
Hydrocarbons	Pass	ASTM D1722
Chlorides	< 15 ppm	IMPCA 002-98
Color Test	< 5 Pt/Co Max	ASTM D1209

Link to: [WWT Verification Form](#)

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 Centre 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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