



Shell Chemicals

Cargo Handling Sheet

Neodene 8

Document Date: 09 August 2019
Revision 10

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

Product Details

Product Name: Neodene 8 Alpha Olefin

Shipping Name: Octene (all isomers)

Chemical Family: Olefins

Product Code: V1168, V9310

SDS: <http://www.shell.com/business-customers/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: This product is a Static Accumulator.

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; 99.99% 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
Discharge Temperature Range:	Ambient
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:

- O2 level in tanks: see Cargo Handling Requirements above
- Vessel to maintain a constant nitrogen overpressure of 20 millibars or more during the voyage
- Vessel to keep a daily N2 log of each tank:

- Tank pressure
- O2 level
- Tank Temperature

Log is to be presented to receiver at time of discharge and a copy sent to Charterers.

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:

For more detailed information, refer to the SDS or e-SDS for reportable spill/release quantities whether in the water, air or ground.

Incident Reporting:

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 Captain Stephen Boudreaux at +18323376982 or Capt. Ben van Bommel at +31104415992.



Shell Chemical LP

PO Box 4407

Houston

Texas 77210

USA

Tel +1 866 897 4355

Internet <http://www.shell.com/chemicals>

Disclaimer

The information contained in this publication is, to the best of our knowledge, true and accurate, but any recommendations or suggestions that may be made are without guarantee, since the conditions of use are beyond our control. Furthermore, nothing contained herein shall be construed as a recommendation to use any product in conflict with existing patents covering any material or its use.

Shell Chemicals

The expression "Shell Chemicals" refers to the companies of the Shell Group of companies that are engaged in the chemical businesses. Each of the companies that make up the Shell Group of companies is an independent entity and has its own separate identity.