



Shell

Cargo Handling Sheet

Nonene

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Revision 5

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

Product Details

Trade Name:	Nonene
IMO Product Name:	Nonene (all isomers)
Chemical Family:	Olefins
Product Code:	S1296

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

Physical Properties

Density:	Data Not Available
Dynamic Viscosity:	Data Not Available
Vapor Pressure:	Data not available
Boiling Point:	135 °C / 275 °F
Melting Point:	-76 °C / -105 °F
Flash Point:	20 °C / 68 °F
Appearance:	Clear, Colourless

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.

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
Compatibility Group:	USCG compatibility group 30

Cargo Handling Requirements

N2 Purge Cargo Tanks Prior Loading:	Not a Product Quality requirement; see noted below
N2 Blanket Required:	Not a Product Quality requirement; see notes below
Adjacent Space Purge:	No
Loading Temperature Range:	Ambient – 40° C / 104 °F
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: If vessel is required to inert tanks, then only N2 will be accepted as an inerting medium.

Note 2: If Nitrogen blanket is in place and Carrier chooses to tranship, carrier must reapply nitrogen blanket on the cargo, both on the unloading and receiving vessel, at their time, risk, and expense.

Note 3: N2 Blanket Guidance:

- a. O2 level in tanks < 5%
- b. Vessel to maintain a constant nitrogen overpressure of 20 millibars or more during the voyage.

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
Banned Prior Cargo:	None
Wall Wash Required:	None

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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