



Shell Chemicals

Cargo Handling Sheet

Ethylene

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Revision 5

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

Product Details

Product Name: Ethylene
IMO Shipping Name: Ethylene
Chemical Family: Olefins
Product Code: X2111, X2270, X2273

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

Physical Properties

Density: 568 kg/m³ at -104 °C / -155 °F
Vapor Pressure: 4,275 kPa at 1.9 °C / 35.4 °F
Boiling Point: -103.7 °C / -154.7 °F
Melting/Freezing Point: -169.2 °C / -272.6 °F
Flash Point: -136 °C / -213 °F
Appearance: 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: This product is a static accumulator; Extremely Flammable; contact with liquified gas may cause irritation and/or Frostbite.

Transhipment Prior to arranging transhipment, Charterers must agree to Owner's proposed plan

Regulatory Details

IMO Ship Type: 2G Ethylene Carrier
IGC Hazards: Flammable

Cargo Handling Requirements

Purge Cargo Tanks Prior Loading:	Yes, with product to expel nitrogen
Pre-load Purge Oxygen Content:	< 0.3%
Loading Temperature Range:	-104 °C / -155 °F
Transit Temperature Range:	-104 °C / -155 °F
Discharge Temperature Range:	-104 °C / -155 °F

Tank Acceptance Requirements

Dew-point:	< -50 °C / -58 °F
Peroxide Level:	< 5 ppmw
Banned Prior Cargo:	Consult Shell Chemical Responsible Charterer

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.



Shell Chemical LP

PO Box 4407

Houston

Texas 77210

USA

Tel +1 866 897 4355

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

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