



Shell Chemicals

Cargo Handling Sheet

Ethyl Proxitol

Document Date: 19 May 2017
Revision 2

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

Product Details

Product Name:	Ethyl Proxitol
Shipping Name:	Propylene Glycol Monoalkyl Ether
Chemical Family:	Ether
Product Code:	U5129

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

Physical Properties

Density:	ca. 897 kg/m ³ (20 °C / 68 °F)
Viscosity, Dynamic:	2.21 mPa.s (20 °C / 68 °F)
Vapor Pressure:	1,200 Pa (20 °C / 68 °F)
Boiling Point:	129 - 136 °C / 264 - 277 °F
Melting Point:	< -70 °C / < -94 °F
Flash Point:	40 °C / 104 °F
Appearance:	Clear

Note 1: Physical Properties are for reference only and valid as of date of this revision; see loading terminal for specific properties.

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

Marpol Details

Marpol Annex:	II
IMO Ship Type:	3; Must be Double Hulled
Inland Barge:	Double Hull
IMO Pollution Category:	Z
IBC 16.2.6:	No
IBC 16.2.9:	No
Pre-Wash Required:	No
Compatibility Group:	USCG compatibility group 40

Cargo Handling Requirements

N2 Purge Cargo Tanks Prior Loading:	In accordance with regulations as applicable
N2 Blanket Required:	Yes, Safety & PQ Requirement; see notes below
Percent Oxygen in Nitrogen Blanket:	5% O ₂
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:	50°C / 122 °C

Note 1: If vessel must inert tanks in accordance with regulation and/or Shell Chemical Inert Gas Clause, 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 discharging and receiving ship, at their time, risk, and expense.

Note 3: PQ = Product Quality

Note 4: 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
- c. Surveyor to record in survey report the type of cargo monitoring system and nitrogen replenishment system used onboard the vessel
- d. Vessel to keep a daily N₂ log of each tank:
 1. Tank pressure
 2. O₂ level
 3. Tank Temperature

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

Regional Requirements

Note 1: Ships of <10,000 MT on short sea voyage; Marineline coating may be substituted. Prior to the product being loaded, the local MTA must be informed that the coating is not damaged in any way, and the latest information confirms the coating is suitable for the product.

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: Stainless Steel; (see Regional Requirements above)
Prior Cargo Restrictions: None
Wall Wash Required: None

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 (44) 207-934-7777.

Jones Act Vessels: call the Shell 24 hr. incident number at (1) 713-241-2532. The USA National Response Center telephone number is 1-800-424-8802.

For additional marine cargo handling advice or information, contact Captain Stephen Boudreaux at (1) 713 241 3945.



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.