

Cargo Handling Guidelines

Toluene (Tolueno)

For the use of vessels chartered by Moeve

Disclaimer:

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

Revision Date: 01 November 2024
Revision N°: 0

Product Details	
Product Name:	Toluene (Tolueno)
International Maritime Organization (IMO) Shipping Name:	Toluene
Chemical Family:	Aromatic Hydrocarbon
CAS N°:	108-88-3
UN N°:	1294
Product Code:	30309
e Safety Data Sheet (SDS): https://www.cepsa.es/en/safety-sheets	
Physical Properties ¹	
Density:	0,871 g/cm3 (15 °C)
Dynamic Viscosity:	0,63 mm²/s (25 °C)
Vapour Pressure:	3.5 kPa (20 °C)
Boiling Point	110 – 111 °C
Melting Point:	-95 °C
Flash Point:	4 °C Closed Up
Autoignition Temperature:	480 °C
Solubility:	Water: 573 – 587 mg/l (25 °C) – 0.05% g/g (Insoluble)
Appearance:	Clear liquid - Colourless
Hazard Identification:	Highly flammable, Static accumulator. See Safety Data Sheet (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.
Marine Pollution (MARPOL) Details	
MARPOL Annex:	II
IMO Ship Type:	3 (must be double hull)
Inland Barge:	Double hull
IMO Pollution Category:	Y
IBC 16.2.6	No
IBC 16.2.9	No
Pre-wash Required:	No mandatory prewash
Compatibility Group:	32 AROMATIC HYDROCARBONS

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

Cargo Handling Requirements	
Information for cleaning before loading:	High Purity. Wall Wash with methanol and testing for Colour plus (Hydrocarbon, Chloride, PTT, UV Spectrum) could be required, depending on prior cargo.
N ₂ Purge Cargo Tanks Prior Loading:	For loading operations, the vessels must arrive in inerted condition to Moeve Terminals (Only N ₂ accepted).
N ₂ Blanket Required:	Discharging Operations in inerted condition (Only N ₂ accepted).
Adjacent Space Purge:	No
Loading Temperature Range:	Ambient
Transit Temperature Range:	Ambient
Discharge Temperature Range:	Ambient
Maximum Heating Coil Temperature:	Heating Coils blanked off
Maximum adjacent cargo temperature:	40 °C
Remarks: 1. N ₂ is required as inerting medium.	
Regional Requirements	
Remarks: 1. US Barge: Coatings acceptable Stainless Steel, Mild Steel, Zinc, Epoxy; N ₂ not required / N ₂ pre-load purge and after load N ₂ pad required. Vapor Return – may be required depending on terminal Air Quality Permit; Heating – No.	
Tank Acceptance Requirements	
All nominated shipboard cargo handling systems must be presented clean (residual free), dry, odor free, rust free, with good gaskets, fit to load this cargo. Since the product is not heated, heating coils must be blown clear, dried with N ₂ and blanked off.	
Stainless Steel or Coated Tank:	Either carrier to verify suitability of coating for product
Banned Prior Cargo:	No
Incompatible groups:	NITRIC ACID (3)
Wall Wash Required:	Could be requested depending on prior cargo.
Safety Information and Incident Reporting	
Safety Information:	
HSSE information can be found in the Safety Data Sheet (SDS) or e-SDS.	
Incident Reporting:	
All incidents must be reported in accordance with applicable regulations and charter party requirements. If an incident occurs, immediately call to the Emergency Response Team 24/7 hotline: +49233138423633 . Additionally, a detailed report of the incident must be provided via email to the following email address: incidents.trading@cepsa.com .	