



# **SHELL CARGO HANDLING SHEET**

## **Methyl Alcohol (Methanol)**

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

Document date 22 Jan 2026

Revision no.9

## Product Details

Trade Name:	Methanol
IMO Product Name:	Methyl Alcohol
Chemical Family:	Alcohols

[Link to Safety Data Sheet](#)

## Physical Properties

Density:	791 - 792 kg/m <sup>3</sup> (20°C / 68°F)
Dynamic Viscosity:	0.59 mPa.s (20°C / 68°F)
Vapor Pressure:	13.1 kPa (20°C / 68°F) 55.7 kPa (50°C / 122°F)
Boiling Point:	63.6 – 64.6°C / 146.5 – 148.3°F
Melting Point:	-97.5°C / -143.5°F
Flash Point:	10°C / 50°F
Appearance:	Colourless liquid with characteristic 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:** Hazard Identification: Highly flammable liquid, categorized as toxic (IBC 2021); see SDS for full list of hazards and precautions.

## 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 16.2.7:	No
IBC 16.2.9:	No
Pre-Wash Required:	No

Compatibility Group: USCG compatibility group 20, not compatible with group 12  
Isocyanates

### **Cargo Handling Requirements**

N2 Purge Cargo Tanks Prior Loading: No.  
N2 Blanket Required: Not a PQ requirement; see notes below  
Adjacent Space Purge: No  
Loading Temperature Range: Ambient  
Transit Temperature Range: Ambient to 40°C / 104°F  
Unloading Temperature Range: Ambient to 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 transship, carrier must reapply nitrogen blanket on the cargo, both on the discharging and receiving vessel, at their time, risk, and expense.

**Note 3:** PQ = Product Quality

### **Regional Requirements**

None

### **Transshipments**

Prior to arranging transshipment Charterer must agree to Owner's proposed plan. When arranged by the Owner, Owner must ensure that all transshipment vessels comply with the requirements of this cargo handling sheet.

### Tank Acceptance Requirement

**Banned Prior Cargo:**

No; see notes

**Note 1:** Tanks with prior cargoes of monomers must be thoroughly inspected for polymerized product.

**Note 2:** All lines and drain cocks to be blown with nitrogen to ensure no condensation.

**Stainless Steel or Coated Tanks:**

Stainless steel preferred, Inorganic zinc and some epoxy coatings may be used

Note 1: Vessels offered for loading into coated tanks:

- Carrier to verify suitability of coating.
- For newly coated tanks, either partially or fully recoated, the tanks must have carried 3 or more cargoes for a total of >90days at >90% full.
- Tank Coating Condition Questionnaire submitted to Charterers for review prior to fixing a coated vessel.
- Coated tanks to be in very good condition with minimal blistering or breakdown, < 0.5% total tank area.
- All blisters to be scraped to hard coating.
- All defects to be noted in Survey Report
- Pipelines and fittings to be stainless steel

All nominated shipboard cargo handling systems are to be presented clean (residual free), dry, odour 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, dried with N<sub>2</sub>, and blanked off.

### Wall Wash Test Requirement

**Wall Wash Required:**

Yes, all conducted with Methanol except PH test, which uses DI water.

**Coated tanks**

WWT conducted by cargo surveyor

**Stainless Steel tanks**

Verification of shipboard WWT may be accepted if below specs are met. (Send WWT Verification to the responsible Shell charterer and present to cargo surveyor and loading master at loading terminal.) WWT Verification form is available in the supporting documents section on the [CHS Website](#)

Wall Wash Test	Specification	Standard
Appearance	Clear and free from suspended matter	ASTM D4176
Chlorides	Max 3.0 ppm	IMPCA 002-98
Hydrocarbons	Pass	ASTM D1722
Colour Test	Max 5 Pt/Co	ASTM D1209

#### Additional WWT for Coated Tanks if Prior Cargo is:

Prior Cargo	Test	Required result	Method
Acrylate	PPT	>30 minutes	ASTM D1363
Oils, Waxes, Veg Oils, Fame	NVM	100 ppm	ASTM D1353
Acids, Alkalis	PH Test	6.9 - 7.1	ASTM E70

## 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.



Shell Trading (US) Company  
 PO Box 4604  
 Houston  
 TX77210-4604 USA

#### 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

The expression "Shell" 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.