

Cargo Handling Sheet

Non-Shell Product

CO-1214 (Oleo Alcohol)

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Revision 3

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

Information is obtained from supplier's SDS and other reference publications.

Product Details

Product Name: CO-1214 (Oleo Alcohol)
Shipping Name: Alcohols (C12+), primary, linear
Chemical Family: Fatty Alcohol (Lauryl/Myristyl Alcohol)
Product Code: Non-Shell; P&G product
SDS: Get from loading terminal or charterer

Physical Properties

Specific Gravity: 0.80 (22 °C / 71.6 °F)
Correction factor: check with supplier
Dynamic Viscosity: 12 mPas (22 °C / 68 °F)
Vapor Pressure: ≤ 10 mm hg (22 °C / 71.6 °F)
Boiling Point: ≥ 176.7 °C / 350 °F
Melting Range: 18 -22 °C / 64.4 - 71.6 °F
Flash Point: 143.3 °C / 290 °F
Appearance: Water White

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

Transhipments

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: Annex II
IMO Ship Type: 2
Inland Barge: Double Hull

IMO Pollution Category:	Y
IBC 16.2.6	Yes
IBC 16.2.9:	Yes
Pre-wash Required:	No pre-wash required when discharged in accordance with CHS
Compatibility Group:	USCG compatibility group 20, not compatible with group 12 Isocyanates

Cargo Handling Requirements

N2 Purge Cargo Tanks Prior Loading:	Yes, 3% O ₂ ; PQ reasons
N2 Blanket Required:	Yes, 3% O ₂ ; see Regional Requirements
Adjacent Space Purge:	No
Loading Temperature Range:	24 – 36 °C / 75 – 97 °F
Transit Temperature Range:	32 – 36 °C / 90 – 97 °F
Discharge Temperature Range:	32 – 36 °C / 90 – 97 °F
Maximum Heating Coil Temperature:	60 °C / 140 °F
Adjacent Maximum Cargo Temperature:	40 °C / 104 °F check with supplier

Note 1: Carrier to verify heating instructions with supplier

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 vessel, at their time, risk, and expense.

Note 3: PQ = Product Quality

Note 4: N₂ Blanket Guidance:

- O₂ level in tanks: 3%
- Vessel to maintain a constant nitrogen overpressure of 20 millibars or more during the voyage
- Vessel to keep a daily N₂ log of each tank:
 - Tank pressure
 - O₂ level
 - Tank Temperature

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

Regional Requirements

Note 1: Short voyages \leq 10 days may only require blanketing.

Tank Acceptance Requirements

All shore and ship cargo lines and tanks are to be presented clean (residual free), dry, odor free, and rust free, with good gaskets.

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 Tanks: Stainless Steel preferred. High-baked phenolic and modified phenolic coatings may be accepted.

Prior Cargo Restrictions: See link to P&G Prior Cargo List
[Appendices - PG CO-1214 Prior Cargo List - Rev 16.pdf](#)

Wall Wash Required: Yes; all conducted with Methanol except PH test, which uses DI water. WWT taken by Cargo Surveyor regardless of whether tanks are stainless steel or epoxy coated.

Wall Wash Test:	Specification	Standard
Hydrocarbons	Pass	ASTM D1722
Chlorides	< 3 ppm	IMPCA 002-98
Color Test	< 10 Pt/Co Max	ASTM D1209

Additional WWT for Coated Tanks if Prior Cargo is:

Prior Cargo	Wall Wash Test:	Specification	Standard
Acrylate	PPT	> 30 minutes	ASTM D1363
Oils, Waxes, Veg Oils, Fame	NVM	100 ppm	ASTM D1353
Acids, Alkilis	PH Test	6 – 8	ASTM E70

Note 1: Shell Chemicals currently does not support tank cleaning with methanol as indicated in the above Prior Cargo list.

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 for vessels on Shell Charter

International Registered Vessels: 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

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