



Shell Chemicals

Cargo Handling Sheet

Enordet O332

Document Date: 18 December 2020
Revision 1

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

Product Details

Product Name: Enordet O332
IMO Product Name: Sodium alkyl (C14–C17) sulphonates (60–65% solution) (n)
Chemical Family: Olefin sulphonate mixture
Product Code: V1412, V1464

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

Physical Properties

Density: 1.0 - 1.1 g/cm³ @ 26.7°C / 80.1 °F
Dynamic Viscosity (DV): 350-750 mPas @ 20°C / 68 °F
< 50 mPa.s @ 75 - 85 °C / 167 - 185 °F
Vapor Pressure: similar to water
Boiling Point: > 100 °C / 212 °F
Melting Point: -17 to -15 °C / 1.4 to 5 °F
PH: 12-13
Flash Point: > 100 °C / 212 °F
Appearance: Amber liquid with mild 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: Not classified as a physical hazard under GHS criteria. It is classified as Toxic under IBC 2021; See 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.

Marpol Details

Marpol Annex: II
IMO Ship Type: 2

Inland Barges:	Double Hull
IMO Pollution Category:	Y
IBC 16.2.6:	Yes
IBC 16.2.9:	No
Pre-Wash Required:	Yes
Compatibility Group:	USCG compatibility group 34

Cargo Handling Requirements

N2 Purge Cargo Tanks Prior to Loading:	No
N2 Blanket Required:	No
Adjacent Space Purge:	No
Loading Temperature Range:	20 – 40 °C / 68 -104 °F
Transit Temperature Range:	15 – 43 °C / 59 - 110 °F
Discharge Temperature Range:	20 – 43 °C / 68 -110 °F
Maximum Heating Coil Temperature:	43 °C / 110 °F
Adjacent Maximum Cargo Temperature:	43 °C / 110 °F

Regional Requirements

None

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 or coated; carrier to verify suitability of coating for product
--	---

Banned Prior Cargo: No
Wall Wash Required: No

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>

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.