

Cargo Handling Sheet

Non-Shell Product

Alkyl (C9+) benzenes

Document Date: 30 July 2021

Revision 1

Cargo Handling Sheets are for the use of vessels chartered by CSPC

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

Product Details

Product Name:	Cracking C9 for Industrial Use
IMO Product Name:	Alkyl (C9+) benzenes
Chemical Family:	Aromatics
Product Code:	Non-Shell product
SDS:	Get from loading terminal or charterer, CSPC

Physical Properties

Density:	852.7 kg/m ³ @ (20 °C/68 °F)
Dynamic Viscosity:	Data Not Available
Vapor Pressure:	2.05 Kpa at (20 °C/68 °F)
Boiling Point:	Around 169°C / 336 °F
Melting Point:	-42 °C / -44 °F
Flash Point:	44.5 °C / 112 °F
Appearance:	Dark brown/black

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

Note 2: This product is a Static Accumulator; Flammable; See SDS for full list of hazards and precautions.

Transshipment

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.

Marpol Details

Marpol Annex:	II
IMO Ship Type:	3
Inland Barges:	Double Hull

IMO Pollution Category:	Y
IBC 16.2.6:	No
IBC 16.2.9:	No
Pre-Wash Required:	No
Compatibility Group:	USCG compatibility group 32

Cargo Handling Requirements

N2 Purge Cargo Tanks Prior Loading:	No, not a Product Quality Requirement
N2 Blanket Required:	Yes, Product Quality requirement; See notes below
Adjacent Space Purge:	No
Loading Temperature Range:	Ambient (<50°C / 122°F)
Transit Temperature Range:	Ambient (<50°C / 122°F)
Discharge Temperature Range:	Ambient (<50°C / 122°F)
Maximum Heating Coil Temperature:	Blanked off
Adjacent Maximum Cargo Temperature:	<50°C / 122°F

Note 1: 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 2: N2 Blanket Guidance:

- O₂ level in tanks: **8% O₂**
- Vessel to maintain a constant nitrogen overpressure of 20 millibars or more during the voyage
- DAILY LOG:** During the voyage the vessel shall maintain a daily log of the following and the log shall be sent to the Shell Charterers/Planners at the time of discharge.
 - Tank pressure
 - O₂ level
 - Tank Temperature

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:	Either; carrier to verify suitability of coating for product
Prior Cargo Restrictions:	No
Wall Wash Required:	No

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 CNOOC and Shell Petrochemicals Company Limited charter.

In the event of an incident, CSPC charterers must be notified within one hour of the incident occurring.

CSPC marine emergency report hotline: 86-13927376858 (24 hours)

For additional marine cargo handling advice or information, contact Captain Liu JiBo at mobile phone No. 86-13927376312, Email: liu.jibo@cnoocshell.com

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