

# Cargo Handling Sheet

Non-Shell Product

Alkyl (C9+) benzenes

Document Date: 01 April 2018

Revision 0

*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
Shipping 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 <sup>3</sup> @ (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.

<b>Transhipment</b>	Prior to arranging transhipment, Charterers must agree to Owner's proposed plan
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### 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 PQ Requirement
N2 Blanket Required:	Yes
Percent Oxygen in Nitrogen Blanket:	< 8%
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:** PQ = Product Quality

### 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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