



**Shell Chemicals**

# Cargo Handling Sheet

Saraline R130

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Revision 0

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

## Product Details

Product Name: Saraline R130  
IMO Product Name: Annex 1 Oil, refer Note 2  
Chemical Family: Alkanes, C15-19-branched and linear  
Product Code: Q6579

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

## Physical Properties

Density: < 800 kg/m<sup>3</sup> (15 °C / 59 °F)  
Kinematic Viscosity: < 3.3 mm<sup>2</sup>/s (40 °C / 104 °F)  
Vapor Pressure: Data Not Available  
Boiling Point: 260 - 320 °C / 500 - 608 °F  
Melting Point: Data Not Available  
Flash Point: 128.5 °C / 263.3 °F  
Appearance: Colourless liquid, hydrocarbon 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:** Annex 1. However, when product is shipped by Shell Chemicals, it should be treated as a water-white chemical susceptible to aromatics.

**Note 3:** Hazard Identification: Not classified as a physical hazard or health hazard under GHS criteria, Static Accumulator; 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: Annex I  
IMO Ship Type: Double Hull vessels certified for carriage of oil  
Inland Barges: Double Hull

IMO Pollution Category: Annex I  
IBC 16.2.6: Not Applicable  
IBC 16.2.9: Not Applicable  
Pre-Wash Required: Not Applicable; wash/disposal as per Annex I  
Compatibility Group: USCG compatibility group 33

### Cargo Handling Requirements

N2 Purge Cargo Tanks Prior Loading: No  
N2 Blanket Required: No  
Adjacent Space Purge: No  
Loading Temperature Range: Ambient – 30 °C / 86 °F  
Transit Temperature Range: Ambient – 40 °C / 104 °F  
Discharge Temperature Range: Ambient – 40 °C / 104 °F  
Maximum Heating Coil Temperature: Blanked off; does not require heat  
Adjacent Maximum Cargo Temperature: 40 °C / 104 °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:** Either, carrier to verify suitability of coating for product  
**Banned Prior Cargo:** No  
**Wall Wash Required:** Yes, After Aromatics only; WWT 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 Chemicals charterer and present to cargo surveyor and loading master at loading terminal.)

| <b>Wall Wash Test:</b> | <b>Specification</b>                 | <b>Standard</b> |
|------------------------|--------------------------------------|-----------------|
| Appearance             | Clear and free from suspended matter | ASTM D4176      |
| Chlorides              | ≤ 5.0 ppm                            | IMPCA 002-98    |
| Hydrocarbons           | = Pass                               | ASTM D1722      |
| Color Test             | Max 5 Pt/Co Max                      | ASTM D1209      |

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

| <b>Prior Cargo</b>          | <b>Wall Wash Test:</b> | <b>Specification</b> | <b>Standard</b> |
|-----------------------------|------------------------|----------------------|-----------------|
| 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        |

**Link to:** [WWT Verification Form](#)

**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 Centre telephone number is +18004248802.

For additional marine cargo handling advice or information, contact the responsible regional Shell Chemicals Marine Technical Advisor.



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