



**Shell**

# Cargo Handling Sheet

Shell GTL Solvent GS 215

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Revision 6

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

## Product Details

Trade Name: Shell GTL Solvent GS 215  
IMO Product Name: Gas Oil (See Cargo Handling Requirement note below)  
Chemical Family: Distillates C8 – C26 branched and linear.  
Product Code: Q6541, Q6536

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: < 2 mm<sup>2</sup>/s (25 °C / 77 °F)  
Vapor Pressure: Data not available  
Boiling Point: 210 - 260 °C / 410 - 500 °F  
Melting Point: Data not available  
Flash Point: 83.5 °C / 182.3 °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:** Hazard Identification: Static accumulator; See SDS for full list of hazards and precautions.

## 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 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 – 30 °C / 86 °F
Unloading Temperature Range:	Ambient – 30 °C / 86 °F
Maximum Heating Coil Temperature:	Blanked off
Maximum Adjacent Temperature:	55 °C / 131 °F

**Note 1:** Shipping name is “Gas Oil”. However, when product is shipped by Shell Chemicals, it should be treated as a water-white chemical susceptible to aromatics.

### 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.

<b>Stainless Steel or Coated Tank:</b>	Either, carrier to verify suitability of coating for product
<b>Banned Prior Cargo:</b>	No
<b>Wall Wash Required:</b>	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 charterer and present to cargo surveyor and loading master at loading terminal.)

Wall Wash Test:	Specification	Standard
Appearance	Clear and free from suspended matter	ASTM D4176
Chlorides	Max 5.0 ppm	IMPCA 002-98
Hydrocarbons	Pass	ASTM D1722
Colour Test	Max 5 Pt/Co	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, Alkalies	PH Test	6 – 8	ASTM E70

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

## Safety Information and Incident Reporting

**Safety Information:** Refer the SDS (Safety Data Sheet) or e-SDS.

**Incident Reporting:** All incidents should be reported in accordance with regulations and charter party requirements.

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



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