



Shell Chemicals

Cargo Handling Sheet

Low Aromatic White Spirit (LAWS)

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Revision 6

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

Product Details

Product Name: Low Aromatic White Spirit
IMO Product Name: White spirit, low (15-20%) aromatic
Chemical Family: Hydrocarbons C9-C12
Product Code: Q3312, Q3327

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

Physical Properties

Density: Typical 783 kg/m³ (15 °C / 59 °F)
Dynamic Viscosity: Typical 1.5 - 2 mPa.s (20 °C / 68 °F)
Vapor Pressure: Typical 110 Pa (0 °C / 32 °F)
Typical 370 hPa (20 °C / 68 °F)
Typical 1800 Pa (50 °C / 122 °F)
Boiling Point: 155 - 210 °C / 311 - 410 °F
Melting Point: < -50 °C / -58 °F
Flash Point: Typical 41 - 42 °C / 106 - 108 °F
Appearance: Colourless liquid, paraffinic 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: Flammable, Static Accumulator, 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 Barge: Double Hull
IMO Pollution Category: Y

IBC 16.2.6:	No
IBC 16.2.9:	Yes
Pre-wash Required:	No pre-wash required when discharged in accordance with CHS
Compatibility Group:	USCG compatibility group 33

Cargo Handling Requirements

N2 Purge Cargo Tanks Prior Loading:	No
N2 Blanket Required:	No; see Notes below
Adjacent Space Purge:	No
Loading Temperature Range:	Ambient
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 vessel must inert tanks in accordance with regulation and/or Shell Chemical Inert Gas Clause, then only N2 will be accepted as an inerting medium.

Note 2: 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 3: 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:

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.



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