



Shell Risella X 411

GtL Technical White Oil

Shell Risella X 411 is a hydrocarbon fluid based on Shell Gas-to-Liquid Technology. It's highly saturated with a high degree of iso paraffinic structures, and has high colour stability.

This product is classified as Readily biodegradable by OECD 301B.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- Readily biodegradable*
- High Degree of Biodegradability

Exceeds the normal requirement of 60% biodegradation in the OECD 301B test after 28 days.

Typical Physical Characteristics

Properties	Method	Shell Risella X 411
Colour (Saybolt)	ASTM D156	+25
Density @ 15°C kg/m ³	ISO 12185	800
Refractive Index @ 20°C	ASTM D1218	1.445
Flashpoint COC °C	ISO 2592	168
Pour Point °C	ISO 3016	-15
Kinematic Viscosity @ 20°C mm ² /s	ISO 3104	10.5
Kinematic Viscosity @ 40°C mm ² /s	ISO 3104	6.0
Kinematic Viscosity @ 100°C mm ² /s	ISO 3104	1.95
Aniline Point °C	ISO 2977	107
Sulphur maximum mg/kg	ISO 14596	5
Noack Volatility 1 h/temperature @ 100°C %/m	ASTM D5800	0.3
Noack Volatility 1 h/temperature @ 150°C %/m	ASTM D5800	2.7
Noack Volatility 1 h/temperature @ 250°C %/m	ASTM D5800	74
Purity Requirements Technical White Oil	FDA 178.3620 (b)	Pass

These characteristics are typical of current production. Whilst future production will conform to Shell's specification, variations in these characteristics may occur.

Health, Safety & Environment

• Health and Safety

Shell Risella X 411 is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

Avoid contact with skin. Use impervious gloves with used fluid. After skin contact, wash immediately with soap and water.

Guidance on Health and Safety is available on the appropriate Safety Data Sheet, which can be obtained from <https://www.epc.shell.com>

• Protect the Environment

Take used fluid to an authorised collection point.

Additional Information

- **Advice**

Advice on applications not covered here may be obtained from your Shell representative.