Technical Data Sheet

Shell **Risella** *X 409*

GtL Technical White Oil

Shell Risella X 409 is a hydocarbon 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	Risella X 409
Colour (Saybolt)			ASTM D156	+30
Density	@ 15°C	kg/m³	ISO 12185	785
Refractive Index	@ 20°C		ASTM D1218	1 438
Flash point COC		°C	ISO 2592	136
Pour Point		°C	ISO 3016	-18
Kinematic Viscosity	@ 20°C	mm²/s	ISO 3104	5.3
Kinematic Viscosity	@ 40°C	mm²/s	ISO 3104	3.3
Kinematic Viscosity	@ 100°C	mm²/s	ISO 3104	1.3
Aniline Point		°C	ISO 2977	97
Sulphur		mg/kg	ISO 14596	<5
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 409 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 Material Safety Data Sheet, which can be obtained from 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.