



# Shell Ondina X 415

## *GtL Medicinal White Oil*

Shell Ondina X 415 is a hydrocarbon fluid based on Shell Gas-to-Liquid Technology. It is fully saturated with a high degree of iso paraffinic structures. Shell Ondina X 415 fulfills the stringent international pharmacopoeia purity requirements.

### DESIGNED TO MEET CHALLENGES

#### Typical Physical Characteristics

Properties		Method	Shell Ondina X 415
Colour (Saybolt)		ASTM D156	+30
Density	@ 15°C kg/m <sup>3</sup>	ISO 12185	806
Refractive Index	@ 20°C	ASTM D1218	1.45
Viscosity Index		ISO 2909	118
Flashpoint COC	°C	ISO 2592	200
Pour Point	°C	ISO 3016	-39
Kinematic Viscosity	@ 20°C mm <sup>2</sup> /s	ISO 3104	19
Kinematic Viscosity	@ 40°C mm <sup>2</sup> /s	ISO 3104	9.8
Kinematic Viscosity	@ 100°C mm <sup>2</sup> /s	ISO 3104	2.7
Aniline Point	°C	ISO 2977	114
Evaporation Loss	22h/107°C %m	ASTM D927	0.75
Noack Volatility	1h/250°C %m	ASTM D5800	40
Purity Requirements			
Medicinal White Oil	Latest Version	EU Pharm.	Pass
Medicinal White Oil	Latest Version	US Pharm	Pass
Medicinal White Oil		FDA 178.3620 (a)	Pass

#### Health, Safety & Environment

##### • Health and Safety

Shell Ondina X 415 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 oil. 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 your Shell representative.

##### • Protect the Environment

Take used oil to an authorised collection point. Do not discharge into drains, soil or water.

#### Additional Information

##### • Advice

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