

# ANDEROL C-NRT Plus 100 FG

## H1 Inert Vacuum Lubricant

## Product Data Sheet



**ANDEROL C-NRT Plus 100 FG** is a unique, H1 registered, extremely stable synthetic based vacuum pump Lubricant.

It is specifically designed to provide extremely low reactivity and long-term lubrication in industrial applications, where contact with (reactive) chemistries cannot be avoided.

Where any other chemistry fails, this product will withstand attacks of all aggressive gasses and resist the rapid breakdown which is unavoidable with any other mineral/ester/PAO based product.

The complementary Thermal and Oxidative stability of the base fluid in combination with oxidation inhibitors, extends lubricant life at elevated temperature conditions.

Thanks to its excellent detergency effect deposit/lacquering formation is avoided.

### ADVANTAGES / BENEFITS

**ANDEROL** synthetic lubricants are the only long-life synthetic lubricants with over 60 years of successful performance.

- Chemically inert to chemical gasses of acidic nature
- No metal additives to interfere with catalytic processes
- Increases maintenance intervals
- Greatly reduces fire and explosion hazard
- Lower oil consumption
- Eliminates lacquering and deposits completely
- Reduces energy consumption

### COMPATIBILITY

**ANDEROL** synthetic hydrocarbon based lubricants are similar to mineral oils in their compatibility with paints, seals, gaskets and hoses. No special precautions related to compatibility are required when changing over from a mineral oil lubricant to an **ANDEROL** synthetic hydrocarbon based lubricant.

### APPLICATION

Especially designed to lubricate vacuum pumps in combination with reactive gasses. Also suitable for other rotary equipment. Applicable in contact with following gasses:

- Air
- Butadiene
- Carbon Monoxide
- Furnace (crack) gas
- Carbon Dioxide (dry)
- Ethylene
- Helium
- Hydrogen
- Fluoride gasses
- Hydrogen Sulfide (dry)
- Natural gas
- Methane
- Nitrogen
- Propane
- Synthesis Gas
- Sulfur Hexafluoride
- Bio gas

Nominal Operating Range -40°C to 210°C

PROPERTIES	TEST METHOD	ANDEROL C-NRT Plus 100 FG
Appearance @ 20°C	visual	Clear Yellow Liquid
Viscosity @ 40°C, cSt	ASTM D-445	109
Viscosity @ 100°C, cSt	ASTM D-445	12.4
Viscosity Index	ASTM D-2270	105
Density @ 15°C, kg/l	ASTM D-1298	0.89
Total Acid Number, mg KOH/g	ASTM D-664	0.05
Flash Point, °C	ASTM D-92	258
Pour Point, °C	ASTM D-97	-36
Evaporation Loss (%w/w), 100°C, 22 hrs	ASTM D-972	0.10
Demulsibility at 82°C, min	ASTM D-1401	10

FOR MORE INFORMATION PLEASE REFER TO THE RELEVANT MATERIAL SAFETY DATA SHEET

### APPROVALS / REGISTRATIONS



**ANDEROL®**  
Specialty Lubricants

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