

May 13, 2002

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# Product Data Sheet



NOTE: The information in this publication is the result of careful testing in our laboratories, complemented by selected literature. It does not in any way constitute a guarantee, nor does it serve as a license to operate any patent. Due to widely varying conditions of product use, which are beyond our control, it is strongly recommended that the product be tested for suitability. Product typical properties in this publication are current as of May 13, 2002.

## SYNTHETIC REFRIGERATION LUBRICANTS

### PGI SERIES

*Summit PGI synthetic lubricants were designed for use in the compression of propane in refrigeration or unloading service. Available in three grades for rotary screw and reciprocating compressors, PGI is especially suitable for wet gas situations. Due to the varying make-up of gases and operating temperatures, please contact your Summit representative for specific product recommendations.*

#### POLYGLYCOL INSOLUBLE

### Physical Properties

| PRODUCTS             | PGI-68    | PGI-100   | PGI-150   |
|----------------------|-----------|-----------|-----------|
| Viscosity Grade      | 68        | 100       | 150       |
| Viscosity            |           |           |           |
| @ 40°C, cSt          | 55.5      | 102       | 123       |
| @ 100°C, cSt         | 10.7      | 18.0      | 21.3      |
| @ 100°F, SUS         | 281       | 519       | 626       |
| @ 210°F, SUS         | 62.8      | 92.2      | 106       |
| Viscosity Index      | 187       | 195       | 200       |
| Pour Point, °F (°C)  | -35 (-37) | -30 (-34) | -25 (-32) |
| Flash Point, °F (°C) | 460 (238) | 445 (229) | 460 (238) |
| Density, g/ml, 60°F  | 0.992     | 0.996     | 1.000     |
| 100°F                | 0.954     | 0.958     | 0.961     |

#### Thermal Characteristics:

##### Specific Heat

Cal/g-°C  
 60°C = 0.48  
 80°C = 0.49  
 100°C = 0.51

##### Thermal Conductivity

BTU/Hr/(Ft\*°F)  
 100°F = 0.095  
 200°F = 0.090