

July 7, 2021

Klüber Lubrication NA LP • 9010 County Road 2120, Tyler TX, 75707 • +1 903 534 8021 • sales@klsummit.com

# 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.

## SYNTHETIC REFRIGERATION COMPRESSOR OIL

### RPE-744 Series

*Summit RPE-744 Series is a fully synthetic polyolester lubricant specifically designed for use in refrigeration compressors using carbon dioxide (R744) as the refrigerant. Advantages of this product include excellent chemical and thermal stability for long life operation and excellent wear protection, even under extreme operating conditions.*

*RPE-744-Series is miscible with carbon dioxide and offers superior hydrolytic stability and corrosion resistance.*

### Physical Properties

| Product                  | 744-68    | 744-85    | 744-100   |
|--------------------------|-----------|-----------|-----------|
| Viscosity<br>@ 40°C, cSt | 69.1      | 83.2      | 95.2      |
| @ 100°C, cSt             | 9.58      | 10.7      | 11.8      |
| Viscosity Index          | 118       | 113       | 114       |
| Specific Gravity         | 0.983     | 0.981     | 0.980     |
| Flash Point, °F (°C)     | 514 (268) | 522 (272) | 532 (278) |
| Pour Point, °F (°C)      | -51 (-46) | -45 (-43) | -45 (-43) |
| Copper Corrosion         | 1A        | 1A        | 1A        |

**Shelf Life:** Product shelf life is 3 years from the date of manufacture, after which the product should be recertified prior to use.

