

# PureSyn™ 65

## Hydrogenated Poly(C8/12 Olefin)

### Product Description

ExxonMobil PureSyn™ PAO (polyalphaolefin) and Ester are unique classes of premium fluids whose features set them apart from other fluids such as silicones, mineral oils, petrolatum and polybutene. PureSyn™ PAO and Ester are bright and clear, high purity, fluids that can be characterized as non-comedogenic and non-irritating. PureSyn™ PAO are exceptionally stable in high and low pH systems.

### General

|                           |  |   |   |
|---------------------------|--|---|---|
| Availability <sup>1</sup> | <ul style="list-style-type: none"> <li>Africa &amp; Middle East</li> <li>Asia Pacific</li> </ul> | <ul style="list-style-type: none"> <li>Europe</li> <li>Latin America</li> </ul> | <ul style="list-style-type: none"> <li>North America</li> </ul> |
| Revision Date             | 11/01/2020   |   |   |

| Basics  | Typical Value (English) | Typical Value (SI)     | Test Based On        |
|---|-------------------------|------------------------|----------------------|
| Specific Gravity <sup>2</sup> (60.0°F (15.6°C)) | 0.846                   | 0.846                  | ASTM D4052           |
| Color <sup>2</sup>                              | < 0.5                   | < 0.5                  | ASTM D1500/<br>D6045 |
| Kinematic Viscosity <sup>2</sup>                |                         |                        | ASTM D445            |
| 212°F (100°C)                                   | 65 cSt                  | 65 mm <sup>2</sup> /s  |                      |
| 104°F (40°C)                                    | 614 cSt                 | 614 mm <sup>2</sup> /s |                      |
| Flash Point, COC <sup>2</sup>                   | 531 °F                  | 277 °C                 | ASTM D92             |
| Refractive Index <sup>2</sup> (77°F (25°C))     | 1.4659                  | 1.4659                 | ASTM D1218           |
| Total Acid Number <sup>2</sup>                  | < 0.10 mg KOH/g         | < 0.10 mg KOH/g        | ASTM D974            |

| Flow                               | Typical Value (English) | Typical Value (SI) | Test Based On |
|------------------------------------|-------------------------|--------------------|---------------|
| Brookfield Viscosity (77°F (25°C)) | 1270 cP                 | 1270 cP            | ASTM D2983    |
| Surface Tension (75°F (24°C))      | 26.1 dyne/cm            | 26.1 dyne/cm       | ASTM D1331A   |

| Solubility                        | Typical Value (English)                | Typical Value (SI)                     | Test Based On |
|-----------------------------------|--|--|---------------|
| Solubility Parameter <sup>3</sup> | 8.32 $\sqrt{(\text{cal}/\text{cm}^3)}$ | 8.32 $\sqrt{(\text{cal}/\text{cm}^3)}$ | Calculated    |

### Legal Statement

For detailed Product Stewardship information, please contact Customer Service.

### Notes

Typical properties: these are not to be construed as specifications.

<sup>1</sup> Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.

<sup>2</sup> Single sample or two sample average determination

<sup>3</sup> Calculated Solubility Parameter

For additional technical, sales and order assistance: [www.exxonmobilchemical.com/ContactUs](http://www.exxonmobilchemical.com/ContactUs)

©2024 ExxonMobil. ExxonMobil, the ExxonMobil logo, the interlocking "X" device and other product or service names used herein are trademarks of ExxonMobil, unless indicated otherwise. This document may not be distributed, displayed, copied or altered without ExxonMobil's prior written authorization. To the extent ExxonMobil authorizes distributing, displaying and/or copying of this document, the user may do so only if the document is unaltered and complete, including all of its headers, footers, disclaimers and other information. You may not copy this document to or reproduce it in whole or in part on a website. ExxonMobil does not guarantee the typical (or other) values. Any data included herein is based upon analysis of representative samples and not the actual product shipped. The information in this document relates only to the named product or materials when not in combination with any other product or materials. We based the information on data believed to be reliable on the date compiled, but we do not represent, warrant, or otherwise guarantee, expressly or impliedly, the merchantability, fitness for a particular purpose, freedom from patent infringement, suitability, accuracy, reliability, or completeness of this information or the products, materials or processes described. The user is solely responsible for all determinations regarding any use of material or product and any process in its territories of interest. We expressly disclaim liability for any loss, damage or injury directly or indirectly suffered or incurred as a result of or related to anyone using or relying on any of the information in this document. This document is not an endorsement of any non-ExxonMobil product or process, and we expressly disclaim any contrary implication. The terms "we," "our," "ExxonMobil Product Solutions" and "ExxonMobil" are each used for convenience, and may include any one or more of ExxonMobil Product Solutions Company, Exxon Mobil Corporation, or any affiliate either directly or indirectly stewarded.