



## TECHNICAL DATA SHEET

### SANTOLUBE® MCS-2408

#### High-temperature Base Fluid

SANTOLUBE® MCS-2408 is a unique, high performance polyol ester fluid suitable for use as a base stock for designing lubricants for applications involving prolonged operation at high temperatures. SANTOLUBE® MCS-2408 has low viscosity, excellent low temperature properties, and low volatility. These attributes permit its use in a wide range of possible applications.

#### APPLICATIONS

◆ Chain Lubricants	◆ Lubricants for aerospace and semi-conductors
◆ Lubricants for structural parts and reservoirs	◆ Aircraft greases
◆ Aircraft motor bearings base fluid	◆ Dielectric coolant
◆ Seal swell agent	◆ Lubricity additive

#### TYPICAL PHYSICAL AND PERFORMANCE PROPERTIES<sup>1</sup>

Appearance	Clear Liquid	Corrosion and Oxidation Test - ASTM D 4636 (FTM 791-5307/5308) [190°C, 24h]	
Gardner Color – ASTM D 6166	< 4	TAN Change	0.23
Viscosity at 40°C – ASTM D 445, cSt	48.7	Viscosity Change at 40°C, %	2.75
Viscosity at 100°C – ASTM D 445, CSt	8.7	Falex – ASTM D 3233, lbs to Fail	2250
Viscosity at -40°C, cSt	2,700	Vapor Pressure at 20°C	<1
Pour Point – ASTM D 97, °C	-54	Flash point – ASTM D 92, °C	243
Low-temperature Stability at -40°C, Viscosity Increase, %	3	Fire Point – ASTM D 92, °C	265
Refractive Index at 25°C	1.457	Total Acid Number – ASTM D 664, mg KOH/g	0.25
Elastomer Compatibility – ASTM D 471 [Viton, Silicone, Teflon, Buna N]	Pass	Moisture – ASTM D 789, ppm	500

<sup>1</sup> Please note that these data are typical of samples tested in the laboratory and are not to be considered as sales specifications.