

# 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 HYDRAULIC

### HYSYN FG SERIES

*Summit HySyn FG Series hydraulic oils are formulated specially for hydraulic systems operating in the food service, beverage, and packaging industry. These fully synthetic lubricants are approved by the U.S.D.A. for H-1 applications (lubricants with possible incidental food contact) and comply fully with the requirements of F.D.A. 21 CFR 178.3570.*

*HySyn FG lubricants are fortified with oxidation inhibitors, corrosion inhibitors, as well as anti-wear additives to enhance the superior qualities offered by the synthetic hydrocarbon base stock. They are extended life lubricants and have the same excellent software compatibility as the Summit HySyn Series hydraulic oils.*

### Physical Properties

HYSYN	FG-15	FG-32	FG-46	FG-68	FG-100
ISO Grade	15	32	46	68	100
Viscosity					
@ 40°C, cSt	15.0	30.7	46.8	64.2	98.0
@ 100°C, cSt	3.58	5.90	7.79	9.73	12.85
@ 100°F, SUS	82	157	238	329	506
@ 210°F, SUS	38.3	46.0	52.3	59.2	70.8
Viscosity Index	122	140	135	134	127
Flash Point, °F (°C)	370 (188)	460 (238)	482 (250)	485 (252)	490 (254)
Fire Point, °F (°C)	430 (221)	510 (266)	580 (304)	580 (304)	585 (307)
Pour Point, °F (°C)	-85 (-65)	-67 (-55)	-63 (-53)	-50 (-46)	-45 (-43)
Specific Gravity	0.816	0.826	0.831	0.837	0.844
USDA Approval	H-1	H-1	H-1	H-1	H-1
Kosher Approval	Yes	Yes	Yes	Yes	Yes

#### Percent By Weight

Phosphorous 0.0695  
Sulfur 0.047