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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.

## FOOD GRADE CHAIN, HYDRAULIC AND PUMP

### HYPAR FG SERIES

*Summit HyPar FG Series lubricants are formulated for hydraulic systems and centrifugal and vacuum pump applications operating in the food service, beverage, and packaging industry. These products can also be used for drive, control and transport chain applications in the food industry. HyPar FG Series lubricants are NSF Registered and meet USDA 1998 (H1) guidelines (lubricants with incidental food contact). They are Kosher certified and CFIA accepted. Summit is an ISO 21469 certified facility.*

*HyPar FG Series lubricants are fortified with oxidation inhibitors, corrosion inhibitors, as well as anti-wear additives to enhance the superior qualities offered by the food grade base stock. They are extended life lubricants and have the same elastomer compatibility as the Summit HyPar Series oils.*

### Physical Properties

PRODUCTS	FG-15	FG-22	FG-32	FG-46	FG-68	FG-100
ISO Grade	15	22	32	46	68	100
Viscosity						
@ 40°C, cSt	15.4	22.3	32.0	42.0	68.0	97.2
@ 100°C, cSt	3.41	4.30	5.38	6.41	8.76	11.14
@ 100°F, SUS	84.1	116.7	165.4	216.0	352.0	505.0
@ 210°F, SUS	37.8	40.7	44.3	47.7	55.8	64.4
Viscosity Index	91	96	101	101	101	100
Specific Gravity	0.860	0.860	0.865	0.868	0.870	0.873
Flash Point, °F (°C)	415 (213)	405 (207)	445 (230)	445 (230)	450 (232)	445 (230)
Fire Point, °F (°C)	430 (221)	440 (227)	475 (246)	475 (246)	480 (249)	475 (246)
Pour Point, °F (°C)	-6 (-21)	0 (-18)	3 (-16)	5 (-15)	-4 (-20)	-6 (-21)
Emulsion Tendency	40/40/0 10 Mins	40/40/0 10 Mins	40/40/0 10 Mins	40/40/0 10 Mins	40/40/0 10 Mins	40/40/0 10 Mins
NSF Registered	H1	H1, HT1	H1	H1	H1	H1
ISO 21469	-	-	Yes	Yes	Yes	Yes
Kosher	Yes	Yes	Yes	Yes	Yes	Yes
Halal	Yes	Yes	Yes	Yes	Yes	Yes

HyPar FG-32, FG-46 & FG-68 lubricants do not produce an iridescent appearance (sheen) on the surface of the water when tested in accordance with the U.S. Coast Guard Static Sheen Test.

Percent By Weight Phosphorous.....0.0695 Sulfur.....0.047

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