



GREEN FRIX S.A. – Bio-based Cross-linked oils

Ref :	SunFadol Polymerized Serie
Replaces :	01/04/2019
Effective date :	17/12/2019
Revision :	2.2

Chemical description

Polymerization product obtained by plasma treatment of vegetable oil mono- and poly-unsaturated C16-C22 triglycerides.

EC number: 62002-72-2

Use

Typically used as a boundary lubricity additive having a shear thinning behavior, ideal to cure stick slip issue

Field of applications: any lubricant (EAL, Eco-labelled, food grade approved, ...)

SunFadol 68, 700 & 2000) are NSF HX-1 registered.



Nonfood Compounds
(HX-1)

Physico-Chemical properties

SunFadol (Oligomer Serie)		700	800	1000	1500	2000	2500	3000
Kinematic Viscosity at 40°C (mm ² /s)	Min	630	720	900	1350	1800	2250	2700
	Max	770	880	1100	1650	2200	2750	3300
Appearance		Liquid (cloudy)						
Color		Light yellow						
VI (Viscosity Index)		Min 200						
Iodine number (g I ₂ /100 g)		85 < ... < 95						
Peroxide number (mEq O ₂ /kg)		< 15						
TAN (mg KOH/g)		< 1.5						
Saponification Value		195						
Biodegradability (OECD 301B)		>60%						
Freezing point (OECD 102)		< -80 °C						
Flash point (EN ISO 2719-A)		237.5 °C						

DISCLAIMER

The technical product information, while believed to be accurate and reliable, are given without guarantee or warranty of any kind expressed or implied. The Purchaser assumes all risk at acting on this information provided by GREEN FRIX. Individual requirements vary and each purchaser is urged to perform their own tests, experiments and investigations in their use of Green Frix's products and for purposes of determining compliance with applicable Federal, and local laws and regulations.

For all requests please contact the Quality Manager via info@greenfrix.com

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