



TECHNICAL DATA SHEET

ProVegSyn FG-46

Food Grade ISO 46 Synthetic Vegetable Oil

Product Description

Vegetable oils provide the highest level of food safety, but may not be stable enough to lubricate industrial food processing equipment.

Petrochem's **ProVegSyn FG-46** is a vegetable based lubricant that provides the inherent safety of a vegetable oil with outstanding lubrication performance.

ProVegSyn FG-46 bonds vegetable fatty acids to a stable polyol scaffold to significantly improve the high temperature stability and uses food safe additives to provide corrosion resistance and excellent lubricating properties.

Features and Benefits

- Excellent Lubricity
- Hydrolytic and Thermal Stability
- NSF H1 Registered
- Readily Biodegradable
- Non toxic
- 90% Bio-based

Applications

- Oven Chain Oils
- Food processing lubricants

Typical Properties

Property, Units	SynVEG 46 OCL
Appearance, Visual	Amber to Red Liquid
Odor, Olfactory	Mild
Viscosity@40°C, cSt	46
Viscosity@100°C, cSt	10
Pour Point, °C	-40
Flash Point (COC), °C	>300
Specific Gravity 25°C	0.91

Regulatory Status

TSCA (USA)	OK
EINECS (EU)	OK
REACH (EU)	Inquire
ENCS (Japan)	OK
DSL/NDL (Canada)	OK
AICS (Australia)	OK
KECL (Korea)	OK
IECSC (China)	OK
Incidental Food Contact	H1 NSF

NSF Registration No. 158247

Storage and Handling

This product should be warehoused in unopened containers at ambient temperature.

Consult SDS for handling procedures.