

# Proil

**PROIL OLEO KİMYASALLARI A.Ş.**

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FAGUS GS 95R  
is manufactured by  
DOMUS CHEMICALS SPA,  
and distributed  
exclusively by  
PROIL/PETROYAG  
group of companies.

## Technical data sheet FAGUS GS 95R Saturated Synthetic Ester

**Chemical Name:** Glycerides, mixed C8-10 and succinyl acids

**CAS:** 97708-73-1/91744-56-8  
**EINECS:** 294-620-0

**REACH:** 01-2119967777-14-0002  
**H.S. CODE:** 3824.9992

FAGUS GS 95R is a high-performance, fully biodegradable lubricant obtained by chemical synthesis from 100% renewable vegetable raw materials.

FAGUS GS 95R is an adaptable oil specifically conceived and developed for special coating/treatment/forming of aluminum and its alloys.

### PHYSICAL and TECHNICAL SPECIFICATIONS

PROPERTY	TYPICAL VALUE	UNIT of MEASUREMENT	METHOD
Appearance	Clear liquid	NN	MD 0
Density at 15°C	1.01	Kg/Lt	MD 42 A
Colour	< 200	APHA	MD 31
TAN (total acid number)	< 2	mgKOH/g	ASTM D 974
Iodine number	< 1	g I <sub>2</sub> / 100g	NGD C 32
Saponification Value	400 - 440	mgKOH/g	NGD C 33
Viscosity a 40°C	78	cSt	ASTM D 445
Viscosity a 100°C	11,2	cSt	ASTM D 445
I.V. (Viscosity Index)	133	NN	ASTM D 2270
Pour Point	< -30	°C	ASTM D 97
Flash Point	> 200	°C	ASTM D 92
Refractive Index	1.457	NN	MD 2
Biodegradability	Readily Biodegr.	81.7% (28 Days)	OECD 301 B

The above reported physical and chemical specifications have been measured inside DOMUS CHEMICALS' laboratories; therefore they do not represent any legal guarantee about the properties of the marketed product. We recommend referring to the Certificate of Analysis of each specific batch.



### Domus Chemicals S.p.A.

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Cap. Soc. 1.105.000,00 int. vers. • R.E.A. BG n. 258534 • Reg. Imprese BG e Cod. Fisc. 00231990359 • Part. I.V.A. 02054350166

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### MAIN APPLICATIONS

**FAGUS GS 95R** is a neat and versatile metal forming lubricant (stamping, deep-drawing bending, embossing), mainly destined for processing aluminum and its alloys.

**FAGUS GS 95R** is manufactured especially to be used in the production of aluminum foil for food applications in order to protect the foil surface from winding/unwinding operations.

#### Advantages:

- Easy application by spraying or direct dipping
- Environmentally and human friendly
- Liquid at room temperature
- Multifunctional use (coating, pre-lube, releasing agent, forming, stamping and deep drawing)
- Excellent mechanical and thermal stability
- Film forming with very good adherence to metal surface
- Protection of strips and foil from abrasion and scratching
- Uniform distribution on the surface and low consumption

### PACKAGING STORAGE & SHELF LIFE

IBC 900kg, Steel Drum 180kg

**FAGUS GS 95R** must be stocked properly inside the original packaging and/or container, in a dry place, well-sealed and far from any heat source.

**FAGUS GS 95R** if stoked properly, maintain the original characteristics for at least 2 years.

**FAGUS GS 95R** can be easily pumped from tanks, even at low temperatures.

### APPROVALS

It meets ISO 14001 and ISO 18001 standards.

Approved as NSF 3H & NSF-H1 lubricants, has the HALAL and KOSHER certifications.



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Saturated Synthetic Ester

## HEALTH & SAFETY

Please refer to the material safety data sheets available for each product for more information.

### NOTE

The information submitted in this publication is based on our current knowledge and experience. In light of the many factors that may affect processing and application, these data do not relieve processors of the responsibility of carrying out their own tests and experiments; neither do they imply any legally binding assurance of certain properties or of suitability for a specific purpose. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed.

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Quality Control Laboratory



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