



# Struktol Company of America

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# TECHNICAL DATA

## STRUKTOL® TR 151-40

**GLYCERYL MONOSTEARATE (GMS)**

**INTERNAL LUBRICANT FOR PVC**

**EXTERNAL LUBRICANT FOR POLYOLEFINS**

### COMPOSITION

Partial fatty acid esters of glycerin.

### TYPICAL PROPERTIES

Appearance	Off white waxy flake or powder
Monoglycerides (%)	40 – 45
Free Glycerin (% max.)	1.0
Acid Value (max.)	3.0
Saponification Value	168 - 178
Sodium Stearate (% max.)	0.1
Free Glycerol (% max.)	1.0
Melting Point (°C)	58 - 60
Specific Gravity	0.94
Physiological Behavior	Refer to safety data sheet
Storage Stability	2 years in its original packaging in a dry and cool place at temperatures no more than 40°C.
Packaging	55 lb plastic bag

### RECOMMENDATIONS FOR APPLICATION

STRUKTOL® TR 151-40 is a partial fatty acid ester of glycerine. It can be used as an antistatic agent in polypropylene and polyethylene. It is excellent for use in color concentrates and can be used as a lubricant/process aid in polyolefins and PVC.

STRUKTOL® TR 151-40 is recommended to improve the process of PVC extrusion, injection molding, blow molding, calendaring of sheets and films, and extrusion of profiles.

### DOSAGE

Recommended dosage is:	Rigid PVC	0.5 – 1.5 phr	LDPE	0.15 %
	Flexible PVC	0.5 – 1.0 phr	HDPE	0.3 %
	Polyethylene PP	0.05 – 0.5 %		

### FDA STATUS

STRUKTOL® TR 151-40 is sanctioned for use by the Food and Drug Administration (FDA) in a number of applications, listed in the following sections of Title 21 of the Code of Federal Regulations:

**175.300**

**175.320**

**177.2800**

**178.3130**

**184.1324**

(12/01/10)JMB/rca

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