



# Captex<sup>®</sup> 355 Low C6

CAS Number: 65381-09-1, 73398-61-5  
INCI name: Caprylic/Capric Triglyceride

EINECS Number: 265-724-3, 277-452-2

## Synonyms:

Medium Chain Triglycerides (MCT)  
Glycerol Caprylate Caprate  
Octanoic/ Decanoic Acid Triglycerides

## Product Type:

**Captex 355 Low C6** (also known as medium-chain triglycerides or MCT oils) is manufactured by the re-esterification of fractionated coconut oil fatty acids (mainly caprylic and capric) and glycerin. **Captex 355 Low C6** is prepared from food-grade, vegetable oil raw materials. It is fully refined and deodorized and is miscible with most organic solvents including 95% ethanol. **Captex 355 Low C6** also carries Kosher certification.

## Specifications:

Specification	Limit	Test Method
Appearance/Form	Light yellow/Clear Liquid	Visual
Odor	Bland	Sensory
Acid Value	0.1 max	<sup>1</sup> AOCS Cd 3d-63
Color, APHA	100 max	Tintometer PFX 990
Saponification Value	325 - 360	AOCS Cd 3a-94
Iodine Value (Calculated)	2.0 max.	<sup>2</sup> USP <401>
Moisture, KF	0.1 % max	AOCS Ca 2e-84
Hydroxyl Value	10.0 max.	AOCS Cd 13-60

<sup>1</sup>AOCS: American Oil Chemists' Society. <sup>2</sup>Current United States Pharmacopeia.

## Typical Properties:

Specific Gravity @ 77°F (25°C)	0.92 - 0.96	<sup>2</sup> USP
Viscosity, cP @ 77°F (25°C)	20 - 25	Brookfield
Cloud Point	23°F or less	AOCS Cc 6-25

<sup>2</sup>USP: United States Pharmacopeia.

## Typical Fatty Acid Distribution by GLC:

6:0 Caproic Acid.....	1.0% max.
8:0 Caprylic Acid.....	50.0-75.0%
10:0 Capric Acid.....	25.0-50.0%
12:0 Lauric Acid.....	5.0% max.



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## Toxicology Information:

Test	Result
Oral LD <sub>50</sub> :	> 36 ml/kg in rats > 25 ml/kg in mice
Draize Skin Test:	No or slight irritation potential
Buehler Sensitization:	No reaction
Human Skin Patch Tests (undiluted sample) :	No perceptible skin alteration
Human Mucous Membrane Tests (undiluted sample) :	No eye irritation

## Regulatory:

- Drug Master File (DMF) 1939

## Pharmaceutical and Nutritional Applications :

- Carrier (vehicle)
- Solubilizer
- Lubricant
- Emollient (topical formulations)
- Energy Source
- Viscosity Modifier

## Shelf-Life:

Retest and requalify 2 years from the date of manufacture.

## Storage:

Store in a dry place at ambient temperature.

## Standard Package:

Tank wagons, 425 lb. (193 kg) drums or 50 lb. (22.7 kg) pails

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