



Polyglyceryl-3 Oleate

What is Polyglyceryl-3 Oleate?

Polyglyceryl-3 Oleate is a non-toxic, non irritating, and easily biodegradable non-ionic emulsifier derived from glycerin and oleic acid. It has multiple properties such as emulsification, dispersion, stabilization, conditioning, and viscosity control.

Physical information

INCI name: Polyglyceryl-3 Oleate

Synonyms: PG3O; Triglycerol monooleate; Oleic acid, monoester with triglycerol; CAPROL 3GO

CAS No.: 33940-98-6

EINECS No: 251-749-7

Molecular Formula: $C_{27}H_{52}O_8$

Molecular Weight: 504.70

Types: Polyglycerol Oleate includes types Polyglyceryl-2/3/6/10 Oleate.

Chemical Properties

Test Item	Specification
Appearance	oily to very viscous liquid
Color	light yellow to yellow
Acid Value,mgKOH/g	≤ 6.00
Iodine Value,gl ₂ /100g	≥ 15.00
Saponification,mgKOH/g	≤ 165.00
Lead Value,mg/kg	$\leq 2.00\%$

Features

Hydrophilic, O/W emulsion,HLB about 7.0

emulsifier with good heat and cold stability.

green plant-derived



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easily biodegradable

Safe and Environmentally Friendly

Packing

25kg/drum, 200kg/drum

Uses

Polyglyceryl-3 Oleate is used as moisturizing agent, emulsifier, stabilizer or cleaning ingredient in washing skin care products, shampoo, lipstick, hair cream, mousse emulsified essence and other cosmetics.

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