

Polyglyceryl-2 Oleate

What is Polyglyceryl-2 Oleate?

Polyglyceryl-2 Oleate is a non-toxic, non irritating, and easily biodegradable non-ionic surfactant with multiple properties such as emulsification, dispersion, wetting, stability, and foaming.

Physical information

INCI name: Polyglyceryl-2 Oleate

Synonyms: PG2O

CAS No.: 49553-76-6; 9007-48-1

Molecular Formula: $C_{24}H_{46}O_6$

Molecular Weight: 430.62

Types: Polyglyceryl-3 Oleate; Polyglyceryl-6 Oleate; Polyglyceryl-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	≤ 75.00
Saponification,mgKOH/g	120.00-150.00
Lead Value,mg/kg	$\leq 2.00\%$
Mass spectrum	No ion-peak differences of 44, 58 and their integer multiples are observed in mass spectrum

Features

green plant-derived

easily biodegradable

The HLB value is 7, which is close to the HLB required for emulsification of many plant-based



Jinan Huashihang Chemical Co., Ltd

Email: sales@hshindustry.com Tel: +86 16666563950 Web: www.hshindustry.com

Add: No.36, South Gongye Road, High-Tech Zone, Jinan City, China

oils and has good compatibility.

Safe and Environmentally Friendly

Packing

25kg/drum, 200kg/drum

Uses

Polyglyceryl-2 Oleate is widely used for cosmetics like W/O emulsifier, makeup, cream.

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