IOI OLEOCHEMICAL

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PERSONAL CARE

IMWITOR® 372 P

ROBUST & RELIABLE: THE PLANT-BASED CLASSIC FOR YOUR EMULSIONS

Plant-based, anionic, easy-to-use O/W emulsifier, building viscosity for fluid to buttery textures and increased stability

IMWITOR® 372 P is THE plant-based classic for modern emulsions.
This anionic O/W emulsifier comes in easy-to-handle flakes allowing easy processing. Its robust, reliable nature as well as broad compatibility make this viscosity-building ingredient a great fit for various concepts, be it multiple textures or applications. Formulas based on this emulsifier offer easy pick-up, uniform spreading and a pleasant smooth & soft after-feel. Create versatility while maintaining stability with this plant-based and vegan compatible ingredient!

ABOUT TECHNOLOGIES

IMWITOR® 372 P is a partially neutralized ester of monoglycerides and diglycerides of plant-derived edible saturated fatty acids with citric acid. This technology reveals an anionic O/W emulsifier with an HLB of 10 – 12.

Its easy-to-handle flakes enable dust-free processing. With a melting point of 59 – 63°C, it suits hot, one-pot and pre-emulsion (low heat) processes. Typically, 2 – 4% as main emulsifier or 0.5 – 2.0% as co-emulsifier are used to impart stability and improve consistency & texture.

This emulsifier is known for its reliability and robust nature and allows working with high and low shearing rates; high and low amount of oil; high and low pH and all kind of ingredients used in cosmetic formulas.

SENSORIAL TECHNOLOGIES

IMWITOR® 372 P allows various signature touches with just one ingredient! Design light lotions, silky creams or rich & nourishing butters all offering easy-pick-up, uniform spreading, medium playtime, smooth & soft skin feel, slight film forming as well as nourished-looking skin. This perfectly fits multiple applications like skin, sun, body, baby & mom, men, hair & color care for nice sensorial concepts.

EMOTIONAL TECHNOLOGIES

Robust: feel the safety of an established ingredient that eases formulation work for various applications and skin-feel.

Reliable: trust this mild emulsifier to deliver steady performances, with a safe profile (non-irritating to eyes & non-sensitizing to skin).

- Natural Origin Index 1.0 (according to ISO 16128)
- Vegan compatible
- Renewable sourcing (Rapeseed, Corn Beet, RSPO MB Palm)

Natural according to
ISO 16128
NOI 1.0

COSMOS APPROVED

2-0002-04-100-02

Easy 4-step hot process

1	2	3	4
Prepare and mix phases separately	Heat both phases under stiring to 75 - 80°C	Homogenize and let cool under fast stirring	Check pH & voilà! Your emulsion is ready!

Set the **pH to 4.5 – 7.0** for maximum stability; a **slightly acidic pH** resembles the **natural pH value of our skin** the best

MULTIPLE PROCESSES POSSIBLE

- Hot process
- One-pot hot process
- Energy saving pre-emulsion & low-heat process

3 Textures for your signature touch

LIGHT LOTION | SILKY CREAM | RICH BUTTER

Creates versatility, maintains stability

TECHNICAL POSSIBILITIES

- Robust nature and reliable stability for oil phases from 10 to 40%
- Broadly compatible with various ingredients over a wide pH range
- Adds consistency, builds viscosity
- Texture versatility: spray, lotion, cream and butter

FLEXIBLE PROCESS

- Compatible with Hot & Low-Heat processes
- Can be directly added to the oil (but also water) phase
- For all O/W formulas

VERSATILE TEXTURES

- Perfect fit for all skin care, body care, sun care, baby care, hair care (rinse-off & leave-on) and color care formulas

IMWITOR® 372 P

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INCI
Glyceryl Stearate Citrate

APPEARANCE, COLOR & ODOR
Light yellow (ivory-colored) solid flakes, characteristic odor

DESCRIPTION
Partially neutralized ester of monoglycerides and diglycerides of plant-derived edible saturated fatty acids with citric acid

RECOMMENDED CONCENTRATION
2 – 4% as main emulsifier
0.5 – 2.0% as co-emulsifier

HLB & CHARGE
10 – 12 (estimated value due to natural origin), anionic

MELTING POINT
59 – 63°C

BENEFITS FOR...

...FORMULATOR
- Robust and reliable emulsifier
- Works with high or low oil content
- Works at high or low pH
- Multiple textures
- Versatile applications, e.g., Sun and Hair Care

...PRODUCTION
- Easy-to-weigh flakes
- Easy-to-process (hot, one-pot, pre-emulsion... possible)
- Works with high and low shearing rates

...BRAND
- Safe & established INCI (food quality)
- Trusted mild emulsifier
- High market-compatibility: mass, masstige, premium & natural

...CONSUMER
- Fully plant-based, vegan compatible
- Made from renewable raw materials
- Family-friendly (formulas for baby, kids, parents & silver agers)