



IOI OLEOCHEMICAL



IOI Oleo GmbH

personalcare@ioioleo.de

www.ioioleo.de

PERSONAL CARE

IMWITOR® 375

THE FAST & LIGHT
PLANT-BASED EMULSIFIER

Versatile, fully plant-based anionic liquid emulsifier offering comfortable fast absorbing textures through cost & time-saving processes

IMWITOR® 375 is plant-based anionic O/W liquid emulsifier offering feather-light sensory for a variety of textures and applications.

IMWITOR® 375 presents unique benefits for modern consumers, creative formulators, but also time- and cost-conscious manufacturers. With a safe food-approved profile and its plant origin based on sunflower, it helps to speed up developments and processes for a final comfortable light touch, from sprays to creams.

ABOUT TECHNOLOGIES - Leaflet V1.2



ABOUT TECHNOLOGIES

This sunflower-based technology is a pure anionic O/W emulsifier in a viscous liquid form, easing product manipulation and formulation. It allows fast and flexible production methods thanks to cold or even one-pot processes, on top of traditional hot mixed process. IMWITOR® 375 shows a high flexibility as main or co-emulsifier. It can be incorporated prior, during (as co-emulsifier) or after emulsification to form low or high-viscous emulsions. It can emulsify up to 35% oil, regardless of polarity, and in a large range of pH (4,5 to 10,0). Its unique chemical structure leads to excellent emulsifying properties due to the presence of polar groups. Such versatility can serve multiple formulas to reduce material references and warehouse occupation while shortening development as well as production times.

SENSORIAL TECHNOLOGIES

IMWITOR® 375 is the ideal base to support sensorial concepts offering versatile textures. With a light touch and a typical low viscosity when used alone, watery (sprays or serums), jelly (refreshing gels and lotions), creamy (creams or butters) or anhydrous formulations represent no challenge for this life-simplifier. This emulsifier provides a feather-light after-feel that leaves a caring comfortable light film with uniform spreading and fast absorption. IMWITOR® 375 also confers healthy-looking aspect to a nourished and refreshed skin.

EMOTIONAL TECHNOLOGIES

- Natural Origin Index 1.0 (according to ISO 16128)
- Vegan compatible
- Renewable sourcing (Sunflower, Beet, Corn)



Hot or cold – working with IMWITOR® 375 is easy and fun

Easy 3-step cold process

1 Prepare and mix phases separately	2 Add either water to oil or oil to water and homogenize	3 Check pH & voilà! Your emulsion is ready!
-------------------------------------	--	---

Easy 4-step hot process

1 Prepare and mix phases separately	2 Heat both phases under stirring to 70 - 80°C	3 Homogenize and let cool under stirring	4 Check pH & voilà! Your emulsion is ready!
-------------------------------------	--	--	---

IMWITOR® 375 alone builds little viscosity

According to formula, IMWITOR® 375 provides **sprayable milk** to **lotion-like** emulsion or **high viscosity** cream using both cold and hot manufacturing processes

IMWITOR® 375 – The fast, light & natural emulsifier

DURING APPLICATION

Easy pick-up
Uniform spreading
Light touch
Fast absorption
No soaping



AFTER APPLICATION

Smooth & soft skin feel
Thin comfortable film after-feel
Feather light after-touch
Healthy-looking nourished skin
Refreshed skin sensation

Natural, sustainable formulas with enhanced touch

TECHNICAL POSSIBILITIES

- Usable as main or co-emulsifier
- Emulsifies up to 35% oil, regardless of polarity

FLEXIBLE PROCESS

- Cold, hot or mixed process possible
- Incorporate prior, during (as co-emulsifier) or after emulsification

VERSATILE APPLICATIONS

- Watery - sprays or serum
- Jelly - refreshing gels and lotions
- Creamy - creams or butter
- Anhydrous formats (oils, solids..)



IMWITOR® 375

THE FAST & LIGHT NATURAL EMULSIFIER

INCI

Glyceryl Citrate/Lactate/Linoleate/Oleate

APPEARANCE, COLOR & ODOR

Yellow viscous flowable liquid, characteristic odor

DESCRIPTION

Esterified glycerin with a mixture of citric, lactic, linoleic and oleic acid

RECOMMENDED CONCENTRATION

1 – 3% as main emulsifier
0.5 – 2% as co-emulsifier or solubilizer in anhydrous systems

HLB

10 – 12 (estimated value due to natural origin)

BENEFITS FOR...



...FORMULATOR

- Variety in textures
- Flexibility in formats
- Multi-application



...PRODUCTION

- Energy saving
- Time saving
- Increased output
- Preservative free



...BRAND

- Plant-based cosmetics
- Broad approval
- Cost-saving



...CONSUMER

- Feather light sensory
- Comfortable skin feel
- Vegan compatible