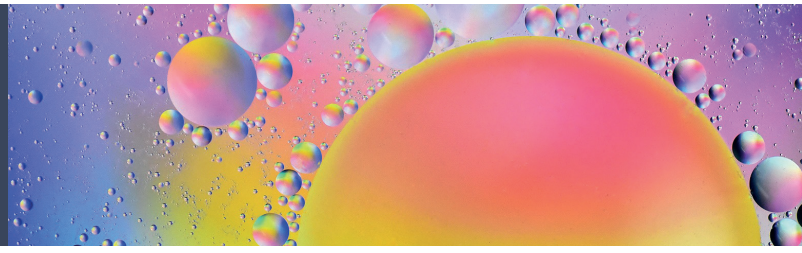


Create liquid Micellar Oils with NEW  
**MICROMULSE™ LB**



Micromulse™ LB is a liquid blend of a Polyglyceryl ester and a mixture of saponins which can make transparent, liquid micellar oils which turn to milk on contact with water. These formulations are suitable for a wide variety of rinse-off applications including facial cleansing oils, bath oils and hair oils. It is compatible with most oils including vegetable and essential oils.

**INCI Name:** Glycerin, Polyglyceryl-10 Laurate, Aqua, *Saponaria Officinalis* Leaf/Root Extract

**Origin:** 100% Vegetable, Non Palm derived, Vegan, non GMO

**Certification:** COSMOS Approved, ISO 16128 100% Naturally derived

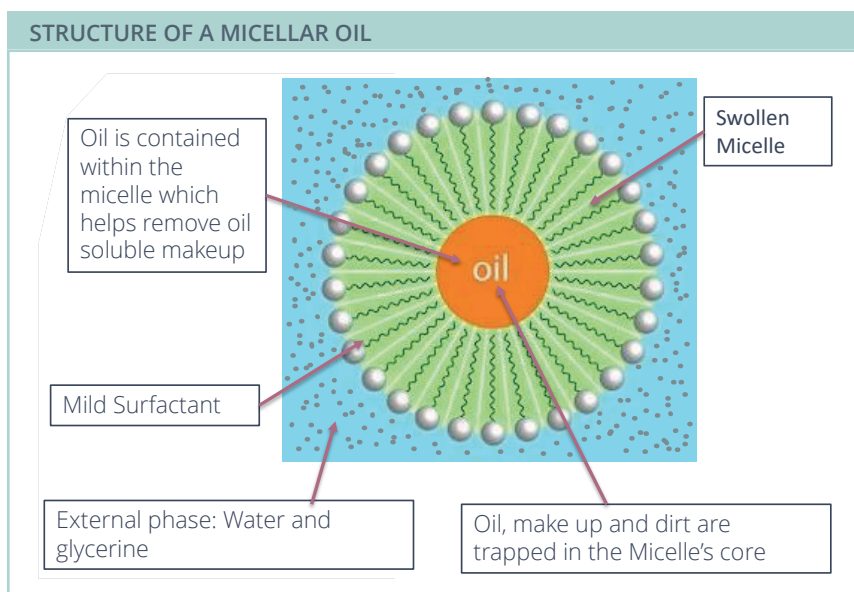
## FORMULATING DETAILS

**Use Level:** Use between 15% and 20% of Micromulse™ LB depending on the nature of the oil phase. Formulas also need to include glycerin and some water depending on oil blend and degree of transparency required.

**How to use:** Weigh out Micromulse™ LB, glycerine and water into a beaker. If the oil phase contains solid butters or waxes, melt these first in the oil. Add oil phase to Micromulse™ LB phase slowly, allowing the oil to be incorporated each time.

**Formulation Tips :** Vegetable oil blends give higher viscosity formulations, ester blends give low viscosity formulations. Vegetable oils and esters can be blended together, but for the best stability blend oil phases of the same type together. To blend oil phases, pick one oil to make up the bulk of the oil phase ( $\geq 35\%$ ) then add smaller quantities of other desired oils. To achieve transparency look up the refractive index of the main oil phase then look up the required water level in our usage guide.

## MICELLAR TECHNOLOGY



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COMPARISON TABLE – ALL TYPES OF CLEANSERS

TYPE OF CLEANSE	EASY RINSE	MOISTURISING PROPERTIES	REMOVES MAKE UP WELL	COST EFFECTIVE	TRANSPARENT
Oil only (no surfactant)	× ×	✓ ✓	×	×	✓
Oil plus surfactant (PEG, PG etc.)	×	✓	✓	×	✓
Micellar Water	✓ ✓	× ×	✓	✓	✓
Surfactant based system	✓ ✓	× ×	✓	✓	✓
Cream or milk cleanser	✓	✓	✓	✓	× ×
<b>Micromulse™ Micellar Oil</b>	<b>✓ ✓</b>	<b>✓ ✓</b>	<b>✓ ✓</b>	<b>✓ ✓</b>	<b>✓ ✓</b>

TRANSFORMING OIL-TO-MILK TEXTURE



Applications	Formulation Prototypes available
Facial Cleansing Oils (oil-to-milk)	Micellar Cleansing Oil
Bath Oils	Blooming Bath Oil
Shaving oils	Miracle Hair Oil
Facial serums	
Massage oils	
Hair oils	