BIORENUVA

EMULSIFICATION

In the pursuit of natural, sustainable, and effective ingredients for today's diverse and eco-conscious market, biolipids emerge as a ground-breaking solution, including in the realm of oil emulsification. Derived from the fermentation process of yeast, sugar and oil biolipids offer a biodegradable, extremely mild alternative to conventional synthetic emulsifiers. Their unique molecular structure allows them to excel in blending a wide array of oils ensuring uniformity, stability, and enhanced performance in various applications

Their unique molecular structure and blend of acid and lactone forms allows biolipids to effectively reduce surface tension between immiscible liquids, facilitating the formation of stable emulsions in wide range of emulsions, from water-in-oil (W/O) to oil-in-water (O/W) types.

		/1	/2	/3	/4	/5	/6	/7	/8	/9	/10	/11	/12
TRADE NAME	INCI NAME						USAGE (WT%)						
Deionized Water	Deionized Water	68.50	48.50	43.30	68.30	68.30	43.30	68.30	42.67	68.30	43.30	68.30	43.30
Potassium Hydroxide	Potassium Hydroxide	-1	-	0.30	0.30	0.30	0.30	0.30	0.43	0.30	0.30	0.30	0.30
Glycerin	Glycerin	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
Keltrol CG-T	Xanthan Gum	0.50	0.50	-	-	-	-		0.30	-	-	-	-
Carbopol Ultrez 20	Acrylates/C10-30 Alky Acrylate Crosspolymer	\-	-	0.40	0.40	0.40	0.40	0.40	0.60	0.40	0.40	0.40	0.40
Diocide	Phenoxyethanol, Caprylyl Glycol, Hexylene Glyco	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
ReNuva [™] SL-L70	Glycolipids	5.00	5.00	10.00	5.00	-	-	-	-	5.00	10.00	5.00	10.0
ReNuva [™] SL-A70	Glycolipids		-	-	-	5.00	10.00	5.00	10.00	-	-	-	-
Capric/Caprylic Triglyceride	Capric/Caprylic Triglyceride	-	-	-	-	20.00	40.00) -	-	20.00	40.00	-	-
Isononyl Isononanoate	Isononyl Isononanoate	- \	-	-	-	-	-	20.00	40.00	-	-	20.00	40.0
Luxtra Pure	C32-54 Isoalkane	20.00	40.00	40.00	20.00	-	1	-	-	-	-	-	-/
		100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
		pH 5.27	5.36	6.31	6.76								

*Brookfield LVDVII+, 6 rpm, 1 min, Helipath On