# **EKÖMUL & EKÖLITE**

### RSPO SCCS CERTIFIED & NON-PALM EMULSIFIERS





# Navigating Palm Oil Sustainability Demands

The Roundtable on Sustainable Palm Oil (RSPO) was established to promote the growth and use of palm oil through cooperation within the supply chain and open dialogue with its stakeholders.

Key principals of RSPO:

 Respect for rights of land owners, farmworkers, smallholders and families

> Palm Oil Supply chain Complexity
>  Multi-stage refining/processing
>  Downstream palm derivatives (e.g. oleochemicals)

> > Reliant on upstream suppliers

Ingredient

Manufacturers

 No primary forests or high conservation value areas sacrificed for new oil palm plantations

Sustainability is defined as the capability of meeting the needs of the present without compromising the ability of future generations to meet their own needs.

# Plantations Mill Transport & Shipping Product Manufacturers Retallers

Recognising the complexity of the palm oil supply chain, the RSPO Supply Chain Certification Standard (SCCS) is categorised into multiple supply chain models:

Blenders

- R1:Identity Preserved (IP) Sustainable oil kept apart, traceable to plantation
- R2 : Segregated (SG) Mixing of sustainable palm oil batches is allowed
- R3: Mass Balance (MB) Mixing of sustainable and conventional oil allowed if monitored administratively through RSPO eTrace system
- GreenPalm: Book & Claim No physical traceability, certification and monitoring by GreenPalm

**Futura Ingredients** is committed to meeting customers needs for non-palm and RSPO SCCS certified emulsifiers as the demand for sustainable products by retailers and consumers grows. We are certified by SIRIM QAS International to manufacture RSPO **Segregated** and **Mass Balance** food emulsifiers.







#### **KEY BENEFITS**

- Meeting retailers
   & consumers
   sustainability concerns
- Non-palm emulsifiers for product labelling challenges



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## Product Portfolio as of 2016

#### RSPO Mass Balance - Ekömul Distilled Monoglycerides & Mono and **Di-glycerides and Emulsifier Blends**

PRODUCT CATEGORY	PRODUCT NAME	MONO MIN. (%)	IV	PALM BASED	PROPERTIES
	Ekömul MG 45 HP (R3) - MB	45	Мах 3	Υ	Saturated MDG
	Ekömul MG 55 HP (R3) - MB	55	Мах 3	Υ	Saturated MDG
	Ekömul MG 60 HP (R3) - MB	60	Мах 3	Υ	Saturated MDG
	Ekömul MG 95 HP (R3) - MB	95	Мах 2	Υ	Bead, Powder, Fine Powder; C18: 35 - 45%
	Ekömul MG 95 HO (R3) - MB	95	Мах 2	Υ	Bead, Powder, Fine Powder; C18: 46 - 56%
Distilled Monoglycerides	Ekömul MG 95 HO FLOW - 3FP (R3) - MB	95	Мах 2	Υ	Fine Powder with 3% Anti-Caking Agent
& Mono and Di-glycerides	Ekömul XTND 95 P (R3) - MB	95	18-26	Υ	Water Dispersible DMG
	Ekömul XTND 95 N (R3) - MB	95	17-26	Υ	Water Dispersible DMG
	Ekömul XTND 95 D (R3) - MB	95	20-27	Υ	Water Dispersible DMG
	Ekömul XTND 90 A (R3) - MB	90	27-35	Υ	Water Dispersible DMG
	Ekömul FASE 45 HP (R3) - MB	45	Мах 3	Υ	Self Emulsifying MDG
	Ekömul FASE 80 HP (R3) - MB	80	Мах 2	Υ	Self Emulsifying MDG
Emulsifier Blends	Ekömul MYXT 275 XTI (R3) - MB	70	17 - 24	Υ	Beaded
	Ekömul MYXT 370 XTI (R3) - MB	70	10 - 17	Υ	Beaded
	Ekömul MYXT 220 KRI (R3) - MB	20	Мах 3	Υ	Beaded
	Ekömul MYXT 260 PEI (R3) - MB	60	Мах 3	Υ	Beaded

#### **RSPO Mass Balance - Ekölite Food Esters**

PRODUCT CATEGORY	PRODUCT NAME	IV	PALM BASED	PROPERTIES
	Ekölite SL 68 S (R3) - MB	-	Υ	Low Lactic SSL, EV 130-160
Sodium Stearoyl	Ekölite SL 70 S (R3) - MB	-	Υ	High Lactic SSL, EV 150-190
Lactylates	Ekölite SL 68 PS (R3) - MB	-	Υ	Low Lactic SSL, EV 130-160, High C18
	Ekölite SL 70 PS (R3) - MB	-	Υ	High Lactic SSL, EV 150-190, High C18
Polyglycerol	Ekölite PE 02 P (R3) - MB	Мах 3	Υ	Diglycerol Monostearate
Esters	Ekölite PE 03 P (R3) - MB	Мах 3	Υ	Triglycerol Monostearate
Sorbitan Esters	Ekölite SE 65 S (R3) - MB	Мах 7	Υ	Sorbitan Tristearate
	Ekölite SE 65 L (R3) - MB	Max 1	Υ	Sorbitan Tristearate
	Ekölite SE 60 S (R3) - MB	Мах 10	Υ	Sorbitan Monostearate

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#### **RSPO Mass Balance - Ekölite Fat Crystallisers**

PRODUCT CATEGORY	PRODUCT NAME	IV	PALM BASED	PROPERTIES	
	Ekölite KRYS 01 S (R3) - MB	Мах 2	Υ	Beaded	
Fat Crystallisers	Ekölite KRYS 02 S (R3) - MB	Мах 21	Υ	Beaded, Non-Hydrogenated	
	Ekölite KRYS 03 S (R3) - MB	Max 2	Υ	Beaded	

#### RSPO Segregated - Ekömul Distilled Monoglycerides & Mono and Di-glycerides

PRODUCT CATEGORY	PRODUCT NAME	MONO MIN. (%)	IV	PALM BASED	PROPERTIES
	Ekömul MG 45 HP (R2) - SG	45	Мах 3	Υ	Saturated MDG
	Ekömul MG 55 HP (R2) - SG	55	Мах 3	Υ	Saturated MDG
	Ekömul MG 60 HP (R2) - SG	60	Мах 3	Υ	Saturated MDG
Distilled Monoglycerides	Ekömul MG 95 HP (R2) - SG	95	Мах 2	Υ	Bead, Powder, Fine Powder; C18: 35 - 45%
& Mono and Di-glycerides	Ekömul MG 95 HO (R2) - SG	95	Мах 2	Υ	Bead, Powder, Fine Powder; C18: 46 - 56%
	Ekömul MG 95 HO FLOW - 3FP (R2) - SG	95	Мах 2	Υ	Fine Powder with 3% Anti-Caking Agent
	Ekömul FASE 45 HP (R2) - SG	45	Max 3	Υ	Self Emulsifying MDG
	Ekömul FASE 80 HP (R2) - SG	80	Мах 2	Υ	Self Emulsifying MDG
Emulsifier Blends	Ekömul MYXT 220 KRI (R2) - SG	20	Мах 3	Υ	Beaded

#### **RSPO Segregated - Ekölite Food Esters & Fat Crystallisers**

PRODUCT CATEGORY	PRODUCT NAME	IV	PALM BASED	PROPERTIES
Sodium Stearoyl Lactylates	Ekölite SL 68 S (R2) - SG	-	Υ	Low Lactic SSL, EV 130-160
	Ekölite SL 70 S (R2) - SG	-	Υ	High Lactic SSL, EV 150-190
Fat Crystallisers	Ekölite KRYS 01 S (R2) - SG	Мах 2	Υ	Beaded
	Ekölite KRYS 03 S (R2) - SG	Мах 2	Υ	Beaded



# EKÖMUL & EKÖLITE RSPO SCCS CERTIFIED & NON-PALM EMULSIFIERS

# 2016 PRACTICES MALAYSIA ENTREPRENEURIAL COMPANY OF THE YEAR FOOD INGREDIENTS

Winner of Frost & Sullivan's **2016 Best Practices Award Entrepreneurial Company** of the Year

#### Non-Palm Ekömul and Ekölite Product Range

PRODUCT CATEGORY	PRODUCT NAME	MONO MIN. (%)	IV	FEEDSTOCK	PROPERTIES
	Ekömul MG 95 HVX	95	Мах 2	SBO	Bead, Powder, Fine Powder
Distilled	Ekömul MG 95 HVX FLOW - 3FP	95	Max 2	SBO	Fine Powder with 3% Anti-Caking Agent
Monoglycerides	Ekömul MG 95 HRX	95	Max 2	RSO	Bead, Powder, Fine Powder
	Ekömul MG 90 SX	90	95-110	SFO	Paste
	Ekölite SL 68 V	-	-	SBO	Low Lactic SSL, EV 130-160
Sodium Stearoyl	Ekölite SL 70 V	-	-	SBO	High Lactic SSL, EV 150-190
Lactylates	Ekölite SL 68 R	-	-	RSO	Low Lactic SSL, EV 130-160
	Ekölite SL 70 R	-	-	RSO	High Lactic SSL, EV 150-190
Propylene Glycol Esters	Ekölite PG 95 S	95	Мах 3	RSO	Propylene Glycol Monostearate
Fat Crystallisers	Ekölite KRYS 04 V		Max 2	SBO	Beaded
	Ekölite KRYS 05 R		Мах 2	RSO	Beaded

Kindly contact us for more details on product specifications and product availability.

#### **HEADQUARTERS**

**Futura Ingredients** Mewah Building 5 International Business Park 01-00 Singapore 609914 o +65 6829 5115 f +65 67200158 w futuraingredients.com e enterpriseservices@ futuraingredients.com

#### MANUFACTURING SITE

**Ecolex Sdn Bhd** Lot 11 Section 5 Fasa 2B Jalan Sungai Pinang 4/2 Pulau Indah Industrial Park Pulau Indah 42920 Selangor Malaysia o +603 3258 3000

f +603 3258 3160

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