

# Moving Markets: *Push or Pull – The Oleochemical Perspective*



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# EMERY OLEOCHEMICAL GROUP @ A GLANCE





# MARKET-BASED SOLUTIONS

Providing you a Competitive Advantage  
in natural-based product development



**THE SUPPLY CHAIN CERTIFICATION SYSTEM (SCCS):  
WHO ARE THE PLAYERS**



# Who are the players?



## All Palm-based operators who

- Take legal ownership AND
- Physically receive RSPO CSPO/CSPKO
- Want to claim this in the market place!



- **First operators: Palm Oil Mills & Refineries**
- **Mid-operator: Ingredient Manufacturers**
  - Oleochemical & its derivatives
- **Last operator: End Product Manufacturers**
  - The manufacturers (HPC, Cosmetics, Plastics, Coatings, etc) that uses the oleochemical products designed and intended for consumption or end-use in any way e.g. Retailers (Walmart, Tesco, etc.)

# The First Operator – Upstream

## *Palm Oil Mills & Refineries*



*RSPO Certified Oil*

- CSPO, CSPKO, etc.
- Palm Oil Input Product



*Non-Certified Oil*

- CPO, CPKO, etc.
- Palm Oil Input Product



*Other Fats & Oils*

- Coconut
- Soybean, Rapeseed
- Tallow
- Etc.



**Primary, Semi-finished and Finished Products.**

**SUPPLY Chain Models:**

**Identity Preserved (IP); Segregation (SG); Mass Balance (MB);  
Book and Claim (B&C)**

# The Mid Operator: Ingredient Manufacturers

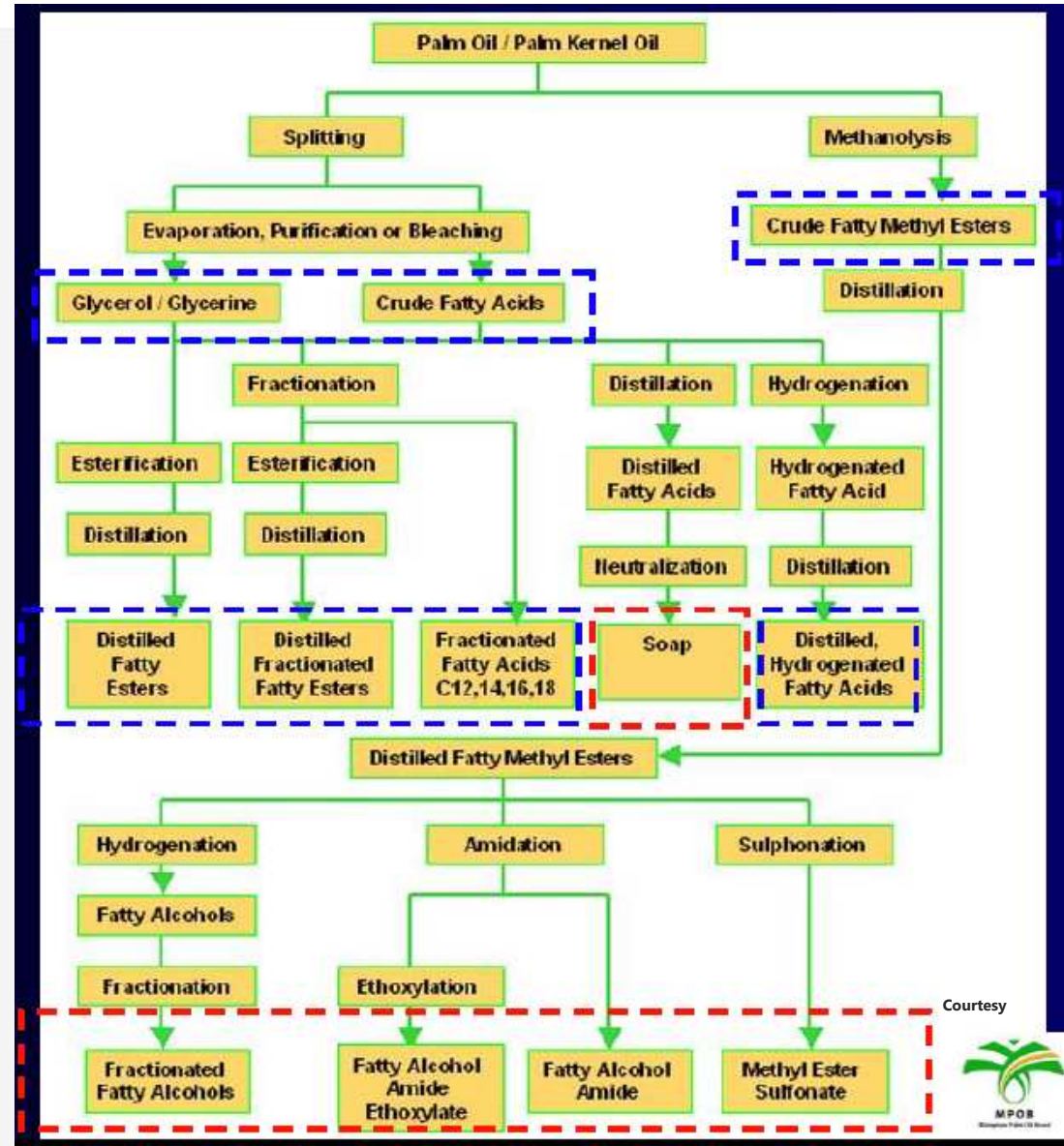


**Oleo BASICS**



**Complexity of the Oleochemical Process involving different & multiple Carbon chains**

**Oleo DERIVATIVES**





# The Last Operator: *End Product Manufacturers*

Formulators of End Products to Retailers

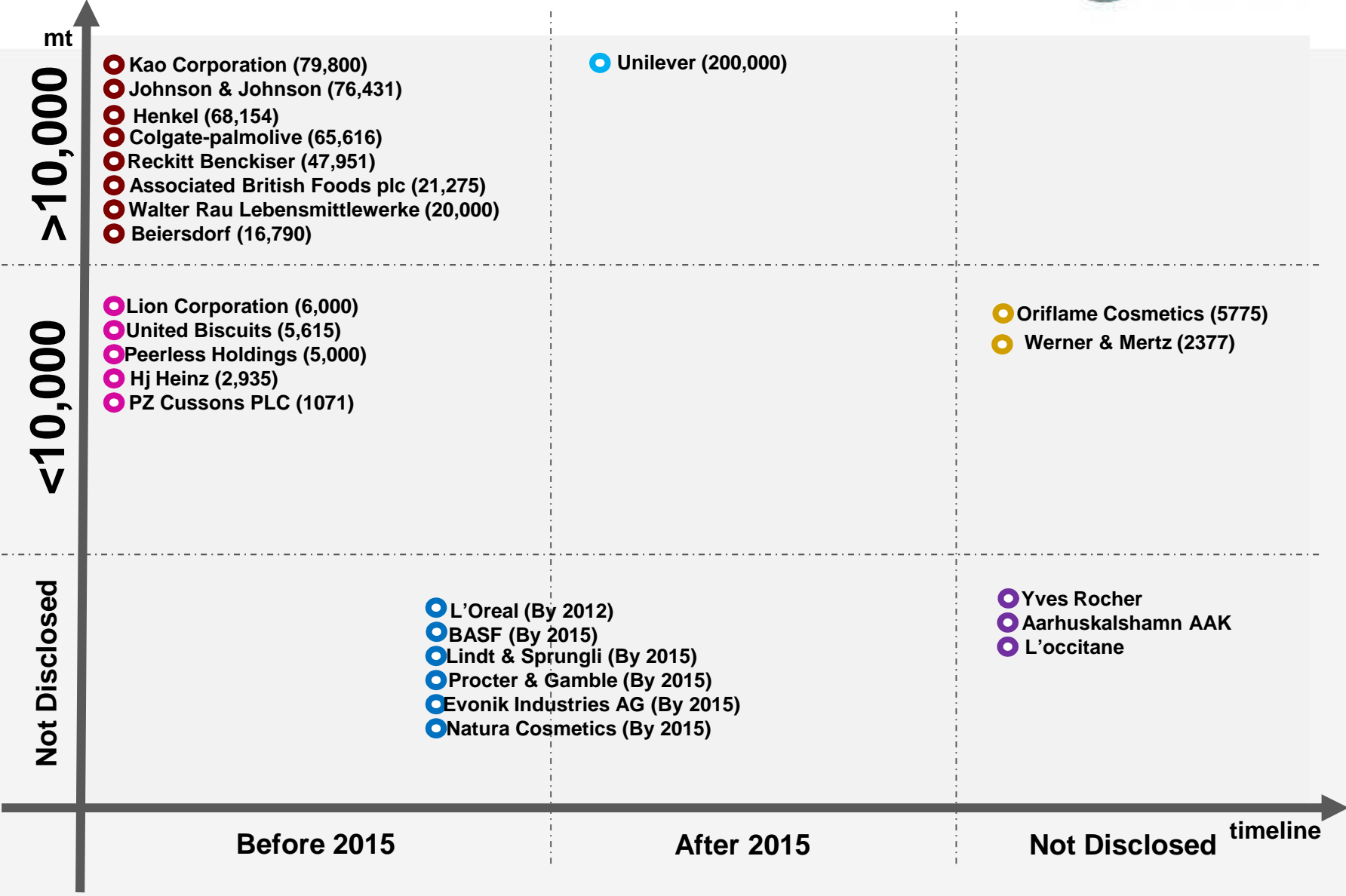


Presence of Oleochemicals & its derivatives in our Day-to-Day Products

**CURRENT STATE OF THE SUPPLY CHAIN CERTIFICATION  
STORY (SCCS): THE OLEOCHEMICAL PERSPECTIVE**

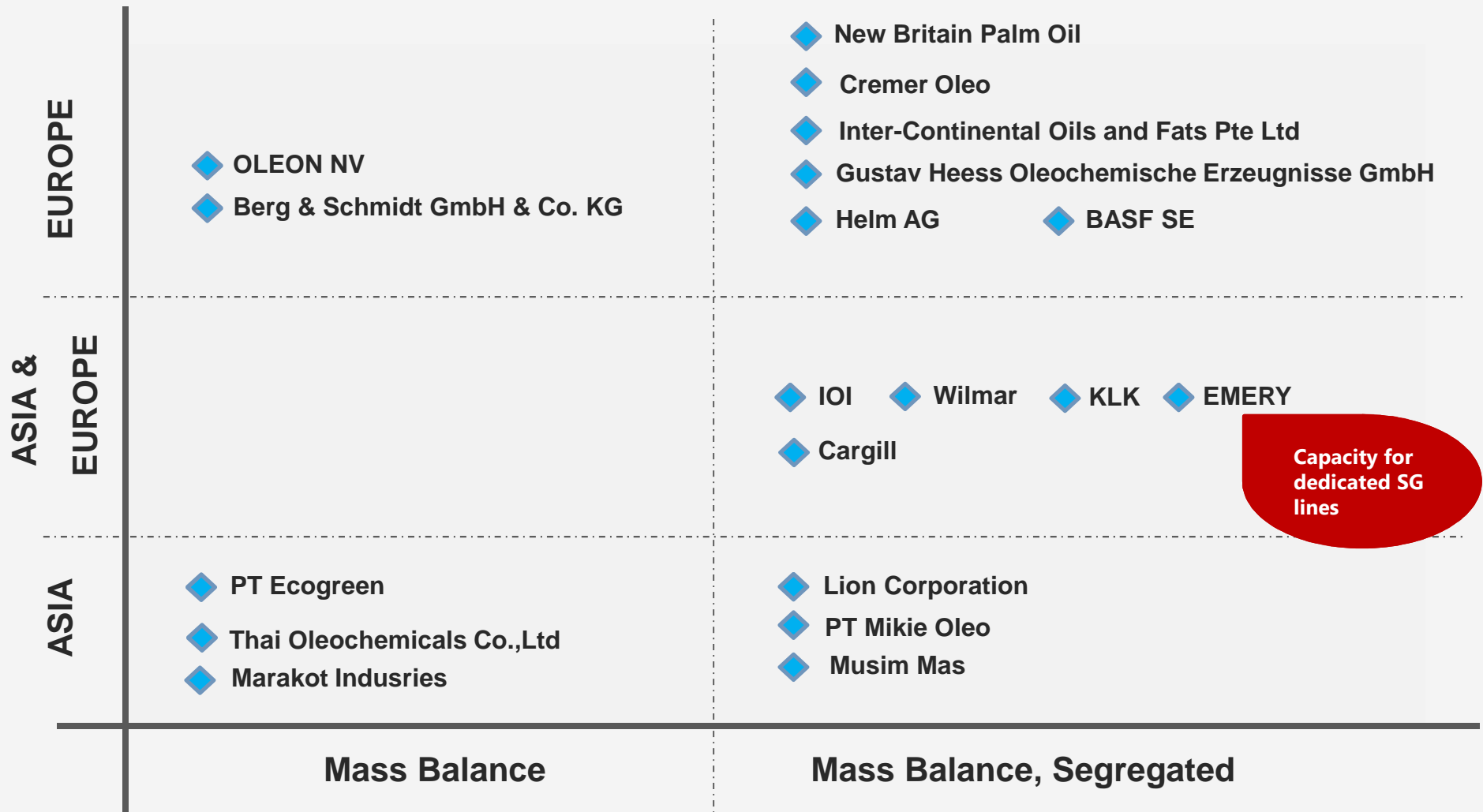


# RSPO Derivatives Commitments Snapshot



# Snapshot of RSPO SCCS MB & SG Providers

*Ex. for Palm Oil & Palm Products, Oleochemicals, etc*



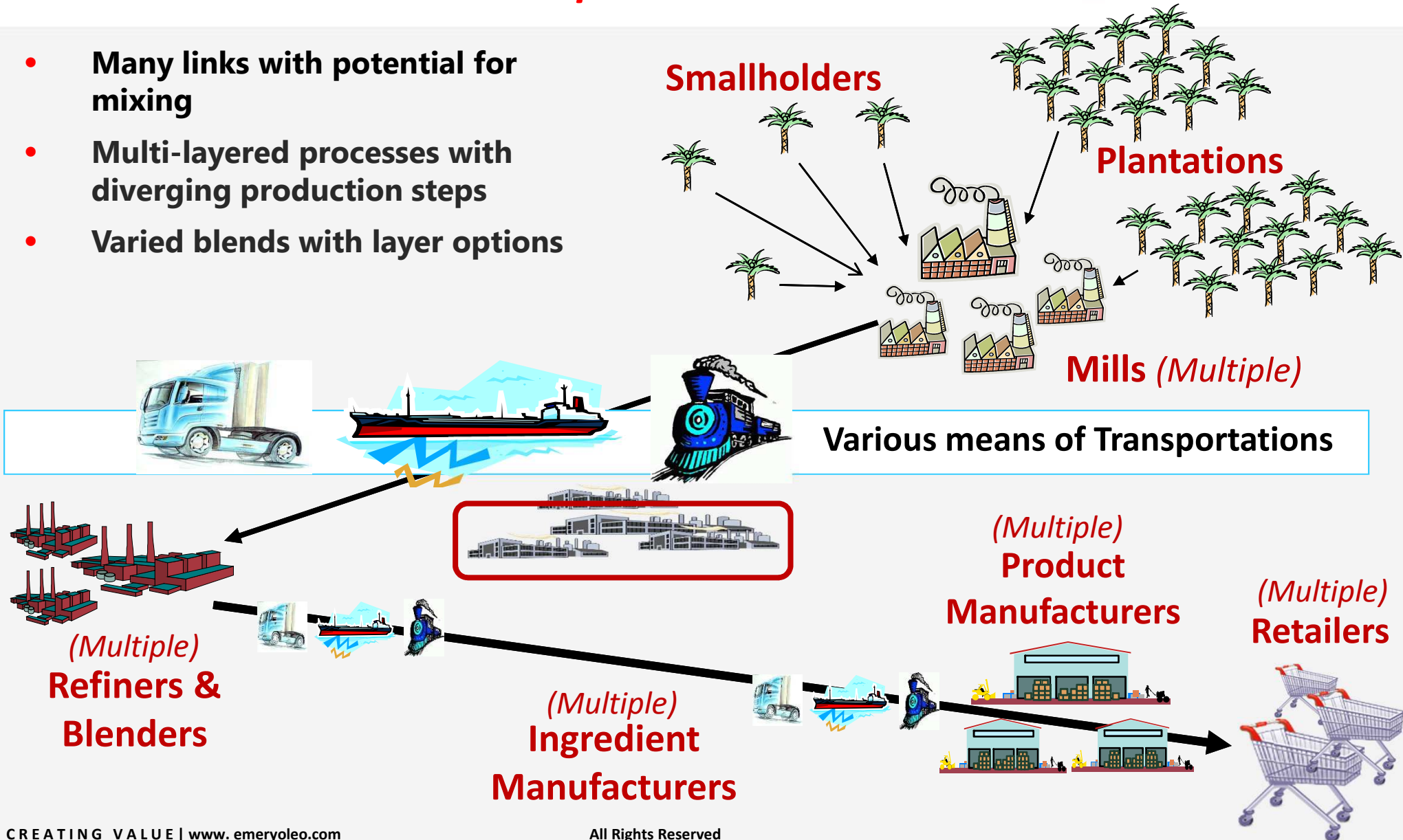
Capacity for dedicated SG lines

# Complexities of the Supply Chain

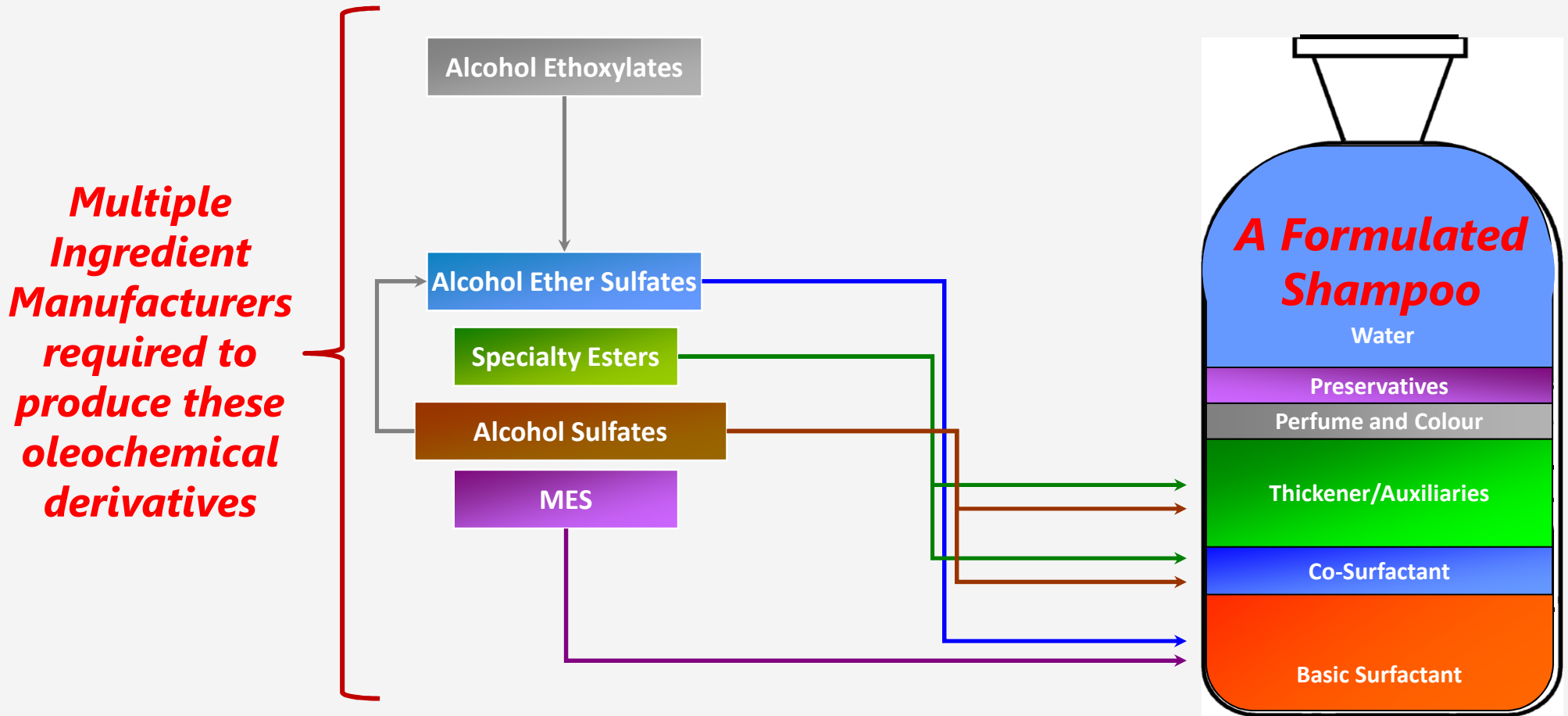
## *From First to Mid to Last Operator*



- Many links with potential for mixing
- Multi-layered processes with diverging production steps
- Varied blends with layer options



# Ingredient Manufacturers: *Home Personal Care (HPC) Markets Products*



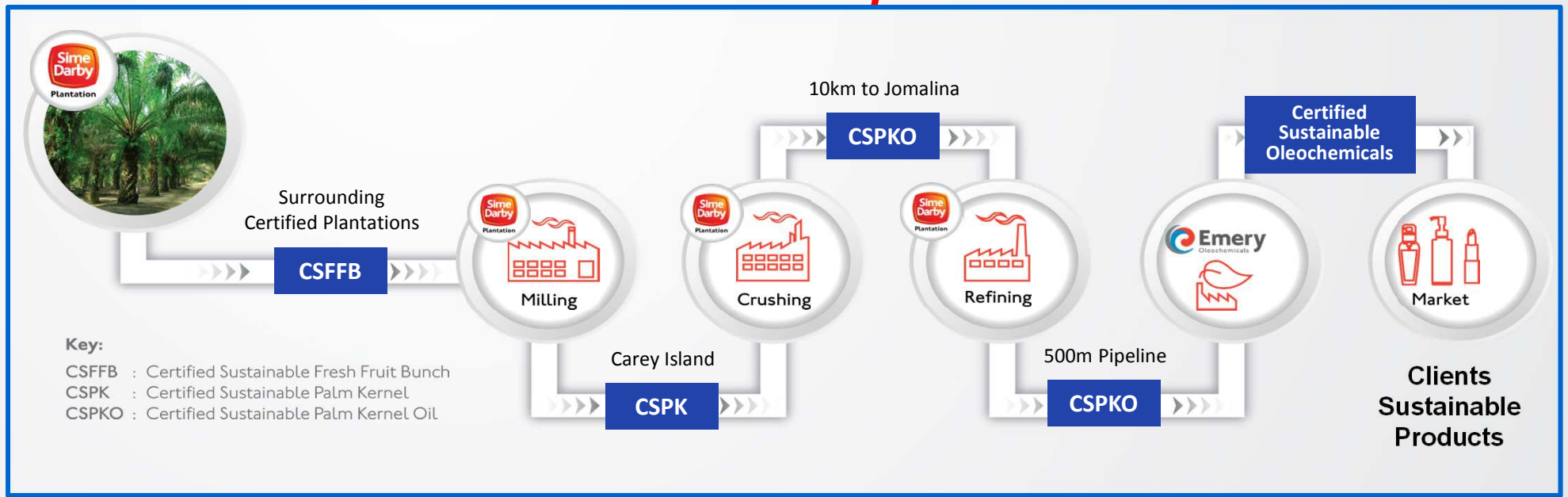
*Multiple Oleochemicals derivatives are present in a formulated Shampoo*

# Emery's RSPO Approach



**An Integrated RSPO Certified Derivatives Supply Chain Solutions Provider**

***MB ready now...Full SG Run ready by Q1, 2015 :  
Market Pull Required!***



**THE MARKET “PUSH-PULL” EFFECT:  
POINTS OF CONSIDERATION**





# Points of Consideration

*IP, SG or MB*



## Physical Traceability

- - *IP, SG & MB via the SCCS will ensure that the oil is from a **physical sustainable source***
- - *IP & SG ensures that the sustainable source is present in the **final products***

## Complexities & Demands of the Supply Chain

- *The **complexities involved** can result in increased costs for Mid-Operators*
- ***Low volume demands** from downstream users will result in poor uptake by the mid-operators (Pull Factor)*

## Unavailability of CSPO/CSPKO

- ***Unavailability of CSPO/CSPKO** will push most operators to utilize the B&C approach-*
- ***Poor commitment from** upstream players will result in the mid-operators unable to meet the commitments of their customers (Push Factor)*

## Prospects for Use of CSPO/CSPKO by the Markets

- *Pressure from NGOs for Governments to impose tariffs for non-certified PO/PKO use*
- *Level of awareness of RSPO and CSPO/CSPKO from the Markets*

# Points of Consideration

## Book & Claims



### Green Palm certificates

*- **Use of Green Palm certificates do not** indicate that products in question contain palm oil **from sustainable sources***

### Companies pay support fee

*- Green Palm certificates are akin to offset certificates, i.e., **companies pay a support fee** to a sustainable grower, while **continuing to buy their oil from any non-sustainable source.***

# Points of Consideration

## *Role of the Ingredient Manufacturers*



### Role of the Oleochemical Players

- ***Availability of palm derivatives*** such as surfactants, glycerin and emulsifiers ***from sustainable source*** are critical

### As part of the Supply Chain

- ***Oleochemical Manufacturers need to be more involved & consulted*** in order ***to ensure the success of the RSPO SCCS***

### Readiness of the Oleochemical Players

- To have the ***certification & the supply of certified sustainable oils ready*** to meet the needs of the downstream user

Finally,

**Push Effect**

Environmental & Societal NGOs; Governments; Consumer Awareness

Availability of CSPO/CSPKO; Participation along the Supply Chain; SCCS for Traceability;

**Requirements to make it work**

**COST**

**BENEFITS**



**Sustainable Palm-based Products**

**Pull Effect**

# THANK YOU FOR YOUR ATTENTION

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