



# EUROXIDE CPO

performance enhancer  
in dishwashing products

## PRODUCT DESCRIPTION

Euroxide CPO is a mild clear non-ionic surfactant mainly used as performance enhancer in liquid hand dishwashing products thanks to its excellent detergency combined with extreme mildness and good biodegradability.

**INCI NAME** Cocamidopropylamine Oxide

## BENEFITS

- Foaming agent
- Foam stabilizer
- Detergency
- Viscosity build-up
- Mild to skin and eyes
- Biodegradable

## APPLICATIONS

### Home care

- hand dishwashing liquids
- all-purpose cleaners
- fine laundry detergents



### Industrial and institutional cleaning

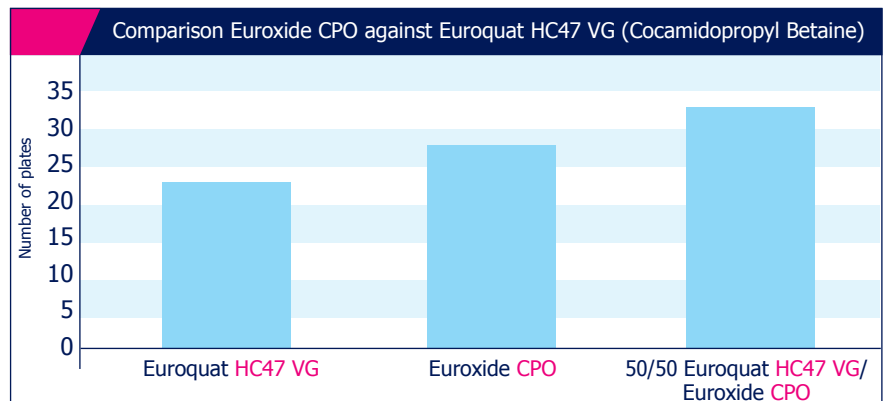
- car cleaning
- truck cleaning

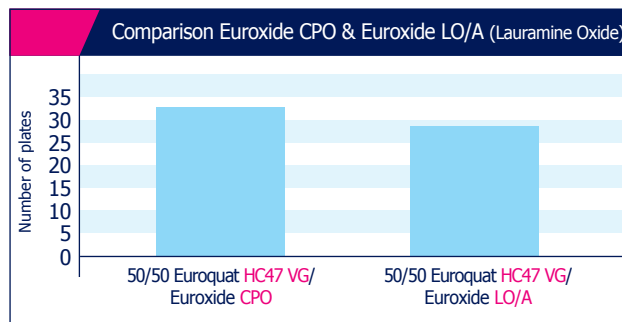
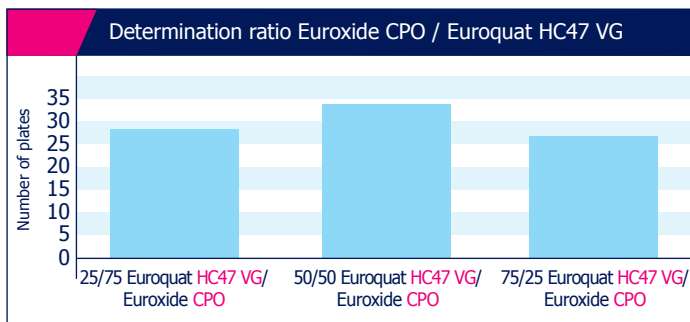
## PERFORMANCE

### WASHING-UP CLEANING PERFORMANCE

After preparation of a fat mix (vegetable oils and animal fats), pre-treatment of the plates with the mix and overnight stay in the fridge, 2 ml of hand dishwashing liquid are added to 5 l of warm water and the initial foam height is determined. Plates are then cleaned until a permanent hole in the foam layer. The higher the number of washed plates is, the better the cleaning performance.

INGREDIENT	% active
Water	-
SLES	12.0
Co-Surfactant	8.0
Citric acid	Qs to pH 7.0





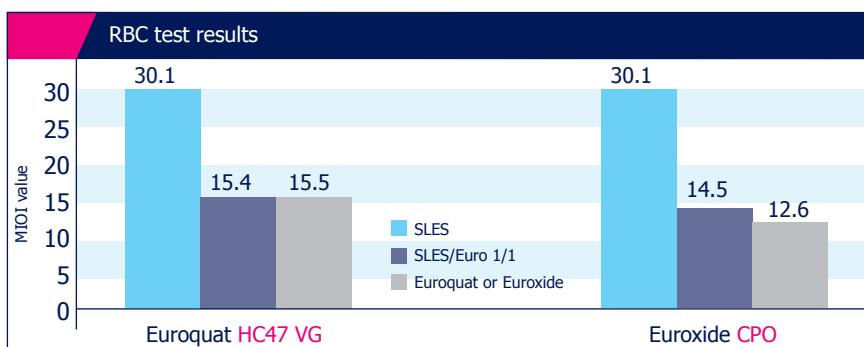
## MILDNESS



## MILDNESS

The Red Blood Cell tests illustrate that Euroxide CPO reduces the eye irritant potential of Sodium Laureth Sulfate in a similar way as Cocamidopropyl Betaine does. Results are expressed as Mean Indices of Ocular Irritation (MIOI value).

Mean Indices Ocular Irritation (MIOI)	
MIOI <5	Non irritant
5 < MIOI <10	Very light irritant
10 < MIOI <20	Light irritant
20 < MIOI <30	Irritant
30 < MIOI	Very irritant



## GUIDE FORMULATIONS



## HAND DISHWASHING PRODUCTS

Euroxide CPO can be used in a wide range of washing-up liquids going from a high active and high pH recipe to an economical neutral pH formula. Depending on the composition, viscosity can be adjusted to the required level using either sodium chloride or ethanol.

Concentrated hand dishwashing liquid   Ref 7822-13A		
INGREDIENT	INCI DESCRIPTION	%w/w
Water	Aqua	41.6
SLES (70%)	Sodium Laureth Sulfate	27.0
Euroxide CPO	Cocamidopropylamine Oxide	26.3
Sodium hydroxide	Sodium Hydroxide	Qs to pH 8.5
Ethanol (96%)	Alcohol	5.1 (for 800 mPa.s)

Mild hand dishwashing liquid   Ref 7822-13B		
INGREDIENT	INCI DESCRIPTION	%w/w
Water	Aqua	31.7
LES28	Sodium Laureth Sulfate	34.4
Euroquat HC47 VG	Cocamidopropyl Betaine	19.2
Euroxide CPO	Cocamidopropylamine Oxide	10.7
Citric acid	Citric Acid	Qs to pH 7.0
Ethanol (96%)	Alcohol	4.0 (for 800 mPa.s)

Economy hand dishwashing liquid   Ref 7822-13C		
INGREDIENT	INCI DESCRIPTION	%w/w
Water	Aqua	60.8
LES28	Sodium Laureth Sulfate	28.6
Euroxide CPO	Cocamidopropylamine Oxide	5.6
Euroquat HC47 VG	Cocamidopropyl Betaine	5.0
Citric acid	Citric Acid	Qs to pH 7.0
Sodium chloride	Sodium Chloride	Qs to 400 mPa.s

## EOC Surfactants

Durmakker 35  
B-9940 Evergem

p/a IP De Bruwaan 12  
B-9700 Oudenaarde

T +32 55 23 58 58  
F +32 55 23 58 59

surfactants@eocgroup.com  
www.eocgroup.com

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