UNIGLY™ MC-208



1 What is UNIGLY MC-208?

UNIGLY MC-208 is a nonionic surfactant with medium chain partial glycerides whose fatty acids are derived from vegetable oil.

UNIGLY MC-208 can provide your formulation with

"Refreshing & Emollient feeling", that's why it is suitable for rinse off products.

INCI

PEG-8 CAPRYLIC/CAPRIC GLYCERIDES

Concept

Refreshing & Emollient Agent

2 Characteristics & Properties

- 1 Caprylic and Capric acid are derived from vegetable oil.
- ② Transparent liquid, and low freezing point (under 10℃) provides your products with high stability in low temperature.
- 3 Water-soluble more than 3.0wt% (HLB=15, Griffin).
- 4 Refresh feeling when washing off.
- **5** Provide high cleansing efficacy with Water-based Make-up cleansing.
- 6 Enhancing cleansing efficacy in combination with water-soluble polymers (patent applied for).
- 7 Provide emollient feeling after washing off.

Solubility (25°C)

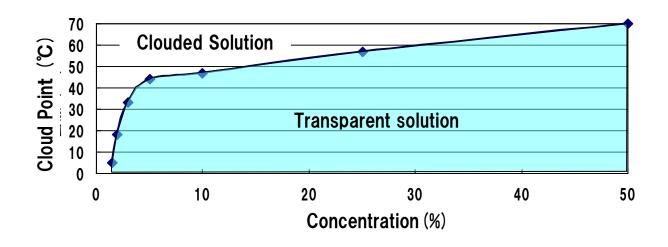
<u>Solvent</u>	<u>10%</u>	<u>25%</u>
Ethanol	0	0
1,3-BG	0	0
Glycerin	×	×
PEG#400	0	0
Oleic acid	0	0
Oleyl alcohol	0	0
Caprylic / Capric triglyceride	×	×
Octyl palmitate	×	×
Cyclomethicone	×	×
Mineral oil	×	×
Water	0	0

4 Cloud point

UNIGLY MC-208 is a PEG type nonionic surfactant with cloud point. Less than 2.0wt% water solution is clouded at room temperature.

Concentration (wt%)	1.0	1.5	2.0	3.0	5.0	10	25	50
Cloud point	3 ↓	5	18	33	44	47	57	70

*representative data



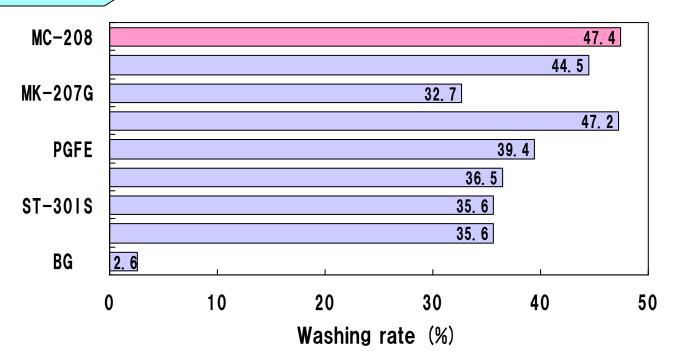
Cleansing test

Method

- 1 Spread commercial lipstick 5mg (1cm diameter) on artificial leather.
- 2 Prepare 5% water-solution of each nonionic surfactant.
- 3 Put prepared solution 60mg on lipstick, then spread circular and washing off.
- 4 Measure red light strength and calculate washing rate by the following equation.

Washing rate (%) = $(1 - a/a_0) \times 100$ * a_0 : Red light strength before washing off. a: Red light strength after washing off

Results



Samples	INCI	HLB
MC-208	PEG-8 CAPRYLIC/CAPRYL GLYCERIDES	15
Competitor	PEG-6 CAPRYLIC/CAPRYL GLYCERIDES	15
MK-207G	PEG-7 GLYCERYL COCOATE	13
GM-20IS	PEG-20 GLYCERYL ISOSTEARATE 15	
PGFE	POLYGLYCERYL-10 LAURATE	15
ST-30E	SORBETH-30 TETRAOLEATE	11
ST-30IS	SORBETH-30 TETRAISOSTEARATE 11	
Tween80	POLYSORBATE 80	15
BG	1,3-BG	_

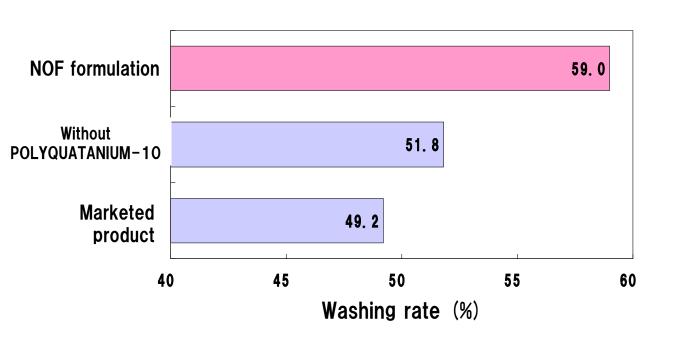
Cleansing Water

INCI	NOF Products	wt%
PEG-8 CAPRYLIC/CAPRYL GLYCERIDES	UNIGLY MC-208	3.0
PEG/PPG/POLYBUTYLENEGLYCOL -8/5/3 GLYCERIN, TOCOPHEROL	WILBRIDE S-753D	2.0
BG	_	5.0
PEG-20 GLYCERYL ISOSTEARATE	UNIOX™ GM-20IS	0.5
POLYQUATANIUM-10	_	0.1
pH adjuster, preservative	_	q.s.
WATER	_	Balance

PROCEDURE: Mix and dissolve all ingredients at room temperature.

*The safety and intellectual property right are not guaranteed.

Cleansing test



X Same method as previous page.