



Safe and Gentle Cosmetic Emulsifiers

- ✓ Natural & synthetic
- ✓ Eco friendly
- ✓ Multifunctional
- ✓ Easy to use
- ✓ PEG-free
- ✓ Japanese quality

JAPANESE
QUALITY
BY TAIYO



Properties

- ✓ Perfect cleansing
- ✓ Long lasting skin softness
- ✓ Long lasting skin hydration
- ✓ Eco skin friendly
- ✓ Natural PEG-free
- ✓ Biodegradable
- ✓ High stability
- ✓ Pleasant texture

Applications

- ✓ Solubilizers
- ✓ O/W W/O emulsifiers
- ✓ Make-up removers
- ✓ Mild detergents
- ✓ Dispersants
- ✓ Emollient
- ✓ Hair conditioners
- ✓ Viscosity modifier

Sunsoft® Q-Y series

Highly hydrophilic PGFE made by Taiyo's proprietary method

PRODUCT	INCI NAME	CHARACTERISTICS	BENEFITS
SUNSOFT® Q-12Y-C(MB)	POLYGLYCERYL-10 LAURATE	Powerful solubilizer best suited for solubilization of essential and perfume oils in water-based systems. Also efficiently maintains a crystal-clear appearance of micellar cleansing water.	Maintains crystal-clear appearance. Less affected by temperature changes and high salt concentration. Delivers moisturizing benefits with no stickiness.
SUNSOFT® Q-121Y-C(MB)	POLYGLYCERYL-10 LAURATE	Excellent primary surfactant for micellar cleansing water/wipes, while being water-soluble yet well compatible with oils.	Perfect cleansing ability. Low skin irritation. Long-lasting hydration.
SUNSOFT® Q-123Y-C(MB)	POLYGLYCERYL-10 TRILAURATE	Powerful o/w emulsifier having superb moisture retention. Suitable for a light texture emulsion. Easy to create lamellar gel network in combination with higher fatty alcohol or monoglycerides. Can also be used as a primary surfactant for oil-base make-up removers owing to its excellent self-emulsifying capacity.	Long-lasting hydration. Highly stable formulation. Smoother & faster absorbing emulsion. Perfect cleansing ability.
SUNSOFT® Q-14Y-C(MB)	POLYGLYCERYL-10 MYRISTATE	Powerful solubilizer best suited for solubilization of essential and perfume oils in water-based systems.	Maintains crystal-clear appearance. Less affected by temperature changes and high salt concentration. Delivers moisturizing benefits with no stickiness.
SUNSOFT® Q-14YG(50)-C(MB)	POLYGLYCERYL-10 MYRISTATE / GLYCERIN	Powerful solubilizer best suited for solubilization of essential and perfume oils in water-based systems. Better handling due to higher fluidity.	Maintains crystal-clear appearance. Less affected by temperature changes and high salt concentration. Delivers moisturizing benefits with no stickiness.
SUNSOFT® Q-142Y-C(MB)	POLYGLYCERYL-10 DIMYRISTATE	Powerful o/w emulsifier having compelling moisture retention. Suitable for rich-textured emulsions. Easy to create lamellar gel network in combination with higher fatty alcohol or monoglycerides.	Long-lasting hydration. Smoother & faster absorbing emulsion. Highly stable formulation.
SUNSOFT® Q-17Y(G)-C(MB)	POLYGLYCERYL-10 OLEATE	Powerful solubilizer best suited for solubilization of lipophilic emollients (e. g. Squalane) in water-based systems. Suitable for making o/w emulsions in combination with lipophilic surfactants.	Less affected by temperature changes and high salt concentration. Delivers moisturizing benefits with no stickiness.
SUNSOFT® Q-172Y(G)-C(MB)	POLYGLYCERYL-10 DIOLEATE	Powerful o/w emulsifier having superb moisture retention. Suitable for a light texture emulsion. Easy to create lamellar gel network in combination with higher fatty alcohol or mono-glycerides. Can also be used as a primary surfactant for oil-base make-up removers owing to its excellent self-emulsifying capacity.	Long-lasting hydration. Highly stable formulation. Smoother & faster absorbing emulsion. Perfect cleansing ability.
SUNSOFT® Q-18Y-C(MB)	POLYGLYCERYL-10 STEARATE	Powerful solubilizer best suited for solubilization of lipophilic emollients (e. g. Squalane) in water-based systems. Suitable for making o/w emulsions in combination with lipophilic surfactants.	Less affected by temperature changes and high salt concentration. Delivers moisturizing benefits with no stickiness.
SUNSOFT® Q-182Y-C(MB)	POLYGLYCERYL-10 DISTEARATE	Powerful o/w emulsifier having compelling moisture retention. Suitable for rich-textured emulsions. Easy to create lamellar gel network in combination with higher fatty alcohol or monoglycerides.	Long-lasting hydration. Highly stable formulation. Smoother & faster absorbing emulsion.
SUNSOFT® Q-19Y-C(MB)	POLYGLYCERYL-10 ISOSTEARATE	Powerful solubilizer best suited for solubilization of lipophilic emollients (e. g. Squalane) in water-based systems. Suitable for making o/w emulsions in combination with lipophilic surfactants.	Less affected by temperature changes and high salt concentration. Delivers moisturizing benefits with no stickiness.
SUNSOFT® Q-192Y-C(MB)	POLYGLYCERYL-10 DIISOSTEARATE	Powerful o/w emulsifier having super moisture retention. Suitable for a light texture emulsion. Easy to create lamellar gel network in combination with higher fatty alcohol or monoglycerides. Can also be used as a primary surfactant for oil-base make-up removers owing to its excellent self-emulsifying capacity.	Long-lasting hydration. Highly stable formulation. Smoother & faster absorbing emulsion. Perfect cleansing ability.
SUNSOFT® Q-8H-C(MB)	POLYGLYCERYL-6 CAPRYLATE	Specially designed surfactant suitable for micellar cleansing water/wipes. Removing make-ups and impurities at high speed by reducing surface tension dramatically.	Perfect cleansing ability. Low skin irritation. Long-lasting hydration.
SUNSOFT® Q-102H-C(MB)	POLYGLYCERYL-6 DICAPRATE	Versatile surfactant, highly recommendable as co-surfactant both for oil-base and water-base make-up removers as it is easy to form self-assembly structure.	Perfect cleansing ability. Low skin irritation. Long-lasting hydration.

Please note: o/w: oil / water, w/o: water / oil



HLB	NI	China	FORM	PACKAGING	SHELF LIFE	DOSAGE	REACH
17,1	0	✓	Viscous liquid	16 kg can	30	0.1 – 5.0%	Exemption: Polymer
15,7	0	✓	Viscous liquid	16 kg can	24	0.1 – 5.0%	Exemption: Polymer
10,4	0,5-1	✓	Viscous liquid	18 kg can	24	o/w emulsion: 0,1-5% Oil-base cleansing: 0,5-20%	Exemption: Polymer
16,7	0	✓	Paste	18 kg can	24	0,1 - 5%	Exemption: Polymer
-	0,5-1	✓	Paste	16 kg can	24	0,2 - 10%	Exemption: Polymer
12,3	0,5-1	✓	Paste	16 kg can	36	o/w emulsion: 0,1 - 5% Oil-base cleansing: 0,5 - 20%	Exemption: Polymer
15,9	0	✓	Paste	16 kg can	24	0,1 - 5%	Exemption: Polymer
11,9	0,5-1	✓	Paste	18 kg can	36	o/w emulsion: 0,1 - 5% Oil-base cleansing: 0,5 - 20%	Exemption: Polymer
17,5	0	✓	Paste	16 kg can	24	0.1 - 5%	Exemption: Polymer
11,1	0,5-1	✓	Pellet	10 kg carton	24	0,1 - 10%	Exemption: Polymer
15,9	0,5-1	✓	Paste	18 kg can	24	o/w emulsion: 0,1 - 5% Solubilizer: 0,1 - 5%	Exemption: Polymer
11,1	0,5-1	✓	Paste	18 kg can	36	o/w emulsion: 0,1 - 5% Oil-base cleansing: 0,5 - 20%	Exemption: Polymer
14,6	0	✓	Viscous liquid	16 kg can	24	3 - 10%	Exemption: Polymer
10,2	0,5-1	✓	Viscous liquid	16 kg can	30	0,1-20%	Exemption: Polymer

Sunsoft® A-E series

Highly purified pentaglycerol esters of fatty acids made by Taiyo's proprietary method

PRODUCT	INCI NAME	CHARACTERISTICS	BENEFITS
SUNSOFT® A-12E-C(MB)	POLYGLYCERYL-5 LAURATE	Powerful solubilizer best suited for solubilization of essential and perfume oils in water-based systems.	Maintains crystal-clear appearance. Less affected by temperature changes and high salt concentration. Delivers moisturizing benefits with no stickiness.
SUNSOFT® A-14E-C(MB)	POLYGLYCERYL-5 MYRISTATE	Powerful solubilizer best suited for solubilization of essential and perfume oils in water-based systems.	Maintains crystal-clear appearance. Less affected by temperature changes and high salt concentration. Delivers moisturizing benefits with no stickiness.
SUNSOFT® A-141E-C(MB)	POLYGLYCERYL-5 MYRISTATE	Powerful o/w emulsifier having compelling moisture retention. Suitable for rich-textured emulsions. Easy to create lamellar gel network in combination with higher fatty alcohol or monoglycerides.	Long-lasting hydration. Highly stable formulation.
SUNSOFT® A-143E-C(MB)	POLYGLYCERYL-5 TRIMYRISTATE	Powerful w/o emulsifier. Can be used as HLB adjuster for a wide range of cosmetic formulations.	Fast absorbing emulsion. Delivers moisturizing benefits.
SUNSOFT® A-17E(G)-C(MB)	POLYGLYCERYL-5 OLEATE	Powerful solubilizer best suited for solubilization of lipophilic emollients (e. g. Squalane) in water-based systems. Suitable for making o/w emulsions in combination with lipophilic surfactants.	Less affected by temperature changes and high salt concentration. Delivers moisturizing benefits with no stickiness.
SUNSOFT® A-171E(G)-C(MB)	POLYGLYCERYL-5 OLEATE	Powerful o/w emulsifier having superb moisture retention. Suitable for a light texture emulsion. Easy to create lamellar gel network in combination with higher fatty alcohol or monoglycerides. Can also be used as a primary surfactant for oil-base make-up removers owing its excellent self-emulsifying capacity.	Long-lasting hydration. Highly stable formulation. Smoother & faster absorbing emulsion. Perfect cleansing ability.
SUNSOFT® A-172E(G)-C(MB)	POLYGLYCERYL-5 DIOLEATE	Powerful o/w emulsifier having superb moisture retention. Suitable for a light texture emulsion. Easy to create lamellar gel network in combination with higher fatty alcohol or monoglycerides. Can also be used as a primary surfactant for oil-base make-up removers owing its excellent self-emulsifying capacity.	Long-lasting hydration. Highly stable formulation. Smoother & faster absorbing emulsion. Perfect cleansing ability.
SUNSOFT® A-173E(G)-C(MB)	POLYGLYCERYL-5 TRIOLEATE	Powerful w/o emulsifier. Can be used as HLB adjuster for a wide range of cosmetic formulation.	Fast absorbing emulsion. Delivers moisturizing benefits.
SUNSOFT® A-18E-C(MB)	POLYGLYCERYL-5 STEARATE	Powerful solubilizer best suited for solubilization of lipophilic emollients (e. g. Squalane) in water-based systems. Suitable for making O/W emulsions in combination with lipophilic surfactants.	Less affected by temperature changes and high salt concentration. Delivers moisturizing benefits with no stickiness.
SUNSOFT® A-181E-C(MB)	POLYGLYCERYL-5 STEARATE	Powerful o/w emulsifier having compelling moisture retention. Suitable for rich-textured emulsion. Easy to create lamellar gel network in combination with higher fatty alcohol or monoglycerides.	Long-lasting hydration. Highly stable formulation. Smoother & faster absorbing emulsion.
SUNSOFT® A-186E-C(MB)	POLYGLYCERYL-5 HEXASTEARATE	Powerful W/O emulsifier. Can be used as HLB adjuster for a wide range of cosmetic formulations.	Fast absorbing emulsion. Delivers moisturizing benefits.

Please note: o/w: oil / water, w/o: water / oil



HLB	NI	China	PACKAGING	FORM	SHELFLIFE	DOSAGE	REACH
15,8	0,8 - 1	✓	16 kg can	Paste	24	0,1 - 5%	Exemption: Polymer
15,4	0,8 - 1	✓	16 kg can	Paste	24	0,1-5%	Exemption: Polymer
12,2	0,8 - 1	✓	16 kg can	Paste	24	0,1 - 5%	Exemption: Polymer
7,6	0,8 - 1	X	16 kg can	Paste	24	0,1 - 5%	Exemption: Polymer
14,9	0,8 - 1	✓	16kg can	Paste	24	0,1-5%	Exemption: Polymer
12,7	0,8 - 1	✓	16 kg can	Paste	24	0,1-5%	Exemption: Polymer
11,9	0,8 - 1	X	16 kg can	Paste	24	o/w emulsions: 0,1 - 5% Oil-base cleansing: 0,5 - 20%	Exemption: Polymer
7,1	0,8 - 1	✓	16 kg can	Paste	24	0,1 - 5%	Exemption: Polymer
15,0	0,8 - 1	✓	16kg can	Paste	24	0,1 - 5%	Exemption: Polymer
12,9	0,8 - 1	✓	10 kg carton	Pellet	24	0,1 - 10%	Exemption: Polymer
4,0	0,8 - 1	X	10 kg carton	Granule	24	0,1 - 5%	Exemption: Polymer

Sunsoft® Q-S series

Highly safe polyglycerol esters of fatty acids with plant origin ingredients

PRODUCT	INCI NAME	CHARACTERISTICS	BENEFITS
SUNSOFT® Q-14S-C(MB)	POLYGLYCERYL-10 MYRISTATE	All-natural solubilizer best suited for solubilization of essential and perfume oils in water-based systems.	Maintains crystal-clear appearance. Less affected by temperature changes and high salt concentration. Delivers moisturizing benefits with no stickiness.
SUNSOFT® Q-17S(G)-C(MB)	POLYGLYCERYL-10 OLEATE	All-natural solubilizer best suited to solubilization of lipophilic emollients (e. g. Squalane) in water-based systems. Suitable for making o/w emulsion in combination with lipophilic surfactants.	Less affected by temperature changes and high salt concentration. Delivers moisturizing benefits with no stickiness.
SUNSOFT® Q-175S(G)-C(MB)	POLYGLYCERYL-10 PENTAOLEATE	All-natural w/o emulsifier. Can be used as HLB adjuster for a wide range of cosmetic formulations.	Fast absorbing emulsion. Delivers moisturizing benefits.
SUNSOFT® Q-1710S(G)-C(MB)	POLYGLYCERYL-10 DECAOLEATE	All-natural w/o emulsifier. Can be used as HLB adjuster for a wide range of cosmetic formulations. Excellent water capture and moisture retention efficacy. Works as an emollient that can soften solid fats and oils.	Fast absorbing emulsion. Delivers moisturizing benefits.
SUNSOFT® Q-18S-C(MB)	POLYGLYCERYL-10 STEARATE	All-natural solubilizer best suited for solubilization of lipophilic emollients (e. g. Squalane) in water-based systems. Suitable for making o/w emulsions in combination with lipophilic surfactants.	Less affected by temperature changes and high salt concentration. Delivers moisturizing benefits with no stickiness.
SUNSOFT® Q-182S-C(MB)	POLYGLYCERYL-10 DISTEARAT	All-natural o/w emulsifier having excellent moisture retention. Suitable for rich-textured emulsions. Easy to create lamellar gel network in combination with higher fatty alcohol or monoglycerides.	Long-lasting hydration. Highly stable formulation.
SUNSOFT® Q-185S-C(MB)	POLYGLYCERYL-10 PENTASTEARATE	All-natural w/o emulsifier. Can be used as HLB adjuster for a wide range of cosmetic formulation.	Fast absorbing emulsion. Delivers moisturizing benefits.
SUNSOFT® Q-81F-C(MB)	POLYGLYCERYL-6 CAPRYLATE	All-natural surfactant suitable for a wide range of make-up removers. Improves the stability of cleansing oil at low temperatures. Can be used for water-base make-up removers in combination with solubilizer.	Perfect cleansing ability. Low skin irritation. Long-lasting hydration.

Mild detergent series

Excellent foaming ability with low irritant detergent

PRODUCT	INCI NAME	CHARACTERISTICS	BENEFITS
SUNSOFT® M-12J(MB)	POLYGLYCERYL-10-LAURATE	Versatile low irritant detergent for a wide range of rinse-off products. Impeccable detergency and foaming ability as a non-ionic surfactant.	Selective sebum removability without causing dry skin or scalp. Antimicrobial activity.
Sunether L-4	POLYGLYCERYL-4 LAURYL ETHER	Multi-functional non-ionic detergent equipped with superior foamability and detergency. Maintains its optimal performance (foamability) even in hard water to restraint or disperse metallic soap.	Highly stable in wide range of pH and temperature. Low skin irritation. Antimicrobial activity.

Polyglycerol polyricinoleate

Powerful w/o emulsifier showing excellent powder dispersibility

PRODUCT	INCI NAME	CHARACTERISTICS	BENEFITS
SUNSOFT® No. 818R-C	POLYGLYCERYL-5 POLYRICINOLEATE	Powerful w/o emulsifier for high water content emulsions. Excellent powder dispersant in polar oils.	Refreshing & watery w/o emulsion. Smoother spreadability for sunscreen and foundation etc.
SUNSOFT® No. 818SK-C(MB)	POLYGLYCERYL-6 POLYRICINOLEATE	All-natural w/o emulsifier for high water content emulsions. Excellent powder dispersant in polar oils.	Refreshing & watery w/o emulsion. Smoother spreadability for sunscreen and foundation etc.

Please note: o/w: oil / water, w/o: water / oil



HLB	NI	China	FORM	PACKAGING	SHELFLIFE	DOSAGE	REACH
15,7	1	✓	Paste	16 kg can	24	0,1 - 5%	Exemption: Polymer
15,0	1	✓	Paste	16 kg can	24	0,1 - 5%	Exemption: Polymer
7,0	1	✓	Viscous liquid	16 kg can	24	0,1 - 5%	Exemption: Polymer
3,9	1	✓	Paste	16 kg can	18	Oil-base formulations: 0,5 - 30% Emulsions: 0,5 - 10% Make-up products: 0,5 - 30%	Exemption: Polymer
15,1	1	✓	Pellet	10 kg carton	24	0,1 - 5%	Exemption: Polymer
11,0	1	✓	Pellet	10 kg carton	24	0,1 - 10%	Exemption: Polymer
7,0	1	✓	Powder	10 kg carton	24	0,1 - 5%	Exemption: Polymer
13,0	1	✓	Viscous liquid	18 kg can	24	0,1 - 10%	Exemption: Polymer

HLB	NI	China	FORM	PACKAGING	SHELFLIFE	DOSAGE	REACH
15,5	0	✓	Viscous liquid	18 kg can	24	0,5 - 20%	Not registered. Exemption: <1t/year/importer
12,3	0	✓	Viscous liquid	18 kg can	24	0,5 - 10%	Not registered. Exemption: <1t/year/importer

HLB	NI	China	FORM	PACKAGING	SHELFLIFE	DOSAGE	REACH
0-2	0,8 - 1	✓	Viscous liquid	16 kg can	36	0,1 - 10%	Not registered. Exemption: <1t/year/importer
0-2	1	✓	Viscous liquid	16 kg can	24	0,1 - 10%	Exemption: Polymer

Glycerol esters of fatty acids

PRODUCT	INCI NAME	CHARACTERISTICS	BENEFITS
SUNSOFT® No.707-C(MB)	GLYCERYL CAPRYLATE	All-natural preservative booster.	Antimicrobial activity. Foam booster for amino acid surfactants.
SUNSOFT® No.750-C	GLYCERYL LAURATE	All-natural preservative booster.	Antimicrobial activity. Foam booster for amino acid surfactants.
SUNSOFT® No.2500-C(MB)	GLYCERYL STEARATE	Emulsifier based on all-plant raw materials. Suitable for high viscous o/w emulsions.	Creates a prestigious and protective layer on skin. Much higher stability.
SUNSOFT® No.8004-C(MB)	GLYCERYL STEARATE	Emulsifier based on all-plant raw materials. Suitable for high viscous o/w emulsions. Rich in monoesters.	Creates a prestigious and protective layer on skin. Much higher stability.
SUNSOFT® No.30-C(MB)	GLYCERYL STEARATE SE	Emulsifier based on all-plant raw materials. Suitable for high viscous o/w emulsions.	Creates a prestigious and protective layer on skin. Much higher stability. Self-emulsifying properties.
SUNSOFT® No.8100-C(MB)	GLYCERYL BEHENATE	Emulsifier based on all-plant raw materials. Suitable for high viscous o/w emulsions. Rich in monoesters.	Increases hardness of emulsion (cream). Much higher stability at high temperatures.

Diglycerol esters of fatty acids

PRODUCT	INCI NAME	CHARACTERISTICS	BENEFITS
SUNSOFT® Q-12D-C(MB)	POLYGLYCERYL-2 LAURATE	o/w emulsifier based on all-plant raw materials having distinct capability of reducing interface tension dramatically.	o/w emulsion with fine particles. Surfactant for oil-base make-up removers. Enabling refreshing rinseability.
SUNSOFT® Q-17D-C(MB)	POLYGLYCERYL-2 OLEATE	o/w emulsifier based on all-plant raw materials.	o/w emulsion with fine particles. Surfactant for oil-base make-up removers. Enabling refreshing rinseability.
SUNSOFT® Q-17B(G)-C(MB)	POLYGLYCERYL-2 SESQUIOLEATE	o/w emulsifier based on all-plant raw materials.	o/w emulsion with fine particles. Surfactant for oil-base make-up removers. Enabling refreshing rinseability.
SUNSOFT® Q-18D-C	POLYGLYCERYL-2 STEARATE	o/w emulsifier based on all-plant raw materials.	o/w emulsion with fine particles. Surfactant for oil-base make-up removers. Enabling refreshing rinseability.

Emollients

Highly safe emollients derived from glycerol esters

PRODUCT	INCI NAME	CHARACTERISTICS	BENEFITS
SUNOIL GDI-D	GLYCERYL DIISOSTEARATE	Non-sticky emollient having excellent pigment dispersibility. Recommended for lip and make-up cosmetics. Due to its skin barrier properties, it is also suitable for skin care products.	High color payoff. Natural and radiant glow.
SUNOIL GTI-D	TRIISOSTEARIN	Light and non-sticky emollient. Recommended for lip and make-up cosmetics. Due to its skin barrier properties, it is also suitable for skin care products.	Light & non-sticky sensorial perception. Natural and radiant glow.
SUNOIL DDI(MB)	POLYGLYCERYL-10 DECAISOSTEARATE	PGFE-based emollient enhances the absorption of oil components through the skin while leaving the skin feel soft and smooth. Excellent water capture and moisture retention efficacy.	Enhances the skin absorption of various base oils. Makes skin feel softer and smoother. Excellent water-holding capacity.

Please note: o/w: oil / water, w/o: water / oil



HLB	NI	China	FORM	PACKAGING	SHELFLIFE	DOSAGE	REACH
5,5	1	✓	Liquid	16 kg can	24	0,1 - 3%	Not registered. Exemption: <1t/year/importer
5,3	1	✓	Powder	10 kg carton	24	0,1 - 3%	Not registered. Exemption: <1t/year/importer
3,0	1	✓	Solid	10 kg carton	24	0,5 - 10%	Not registered. Exemption: <1t/year/importer
3,9	1	✓	Powder	10 kg carton	24	0,5 - 10%	Not registered. Exemption: <1t/year/importer
3,4	1	✓	Powder	10 kg carton	24	0,5 - 10%	Not registered. Exemption: <1t/year/importer
3,4	1	✓	Powder	10 kg carton	24	0,5 - 20%	Not registered. Exemption: <1t/year/importer

HLB	NI	China	FORM	PACKAGING	SHELFLIFE	DOSAGE	REACH
8,5	1	✓	Viscous liquid	16 kg can	24	o/w emulsion: 0,1 - 5% Oil-base cleansing: 0,5 - 20%	Not registered. Exemption: <1t/year/importer
7,0	1	✓	Paste	16 kg can	24	o/w emulsion: 0,1 - 5% Oil-base cleansing: 0,5 - 20%	Registered.
5,3	1	✓	Viscous liquid	16 kg can	24	o/w emulsions: 0,1 - 5% Oil-base cleansing: 0,5 - 20%	Not registered. Exemption: <1t/year/importer
7,0	1	✓	Pellet	10 kg carton	24	o/w emulsions: 0,1 - 5% Oil-base cleansing: 0,5 - 20%	Not registered. Exemption: <1t/year/importer

HLB	NI	China	FORM	PACKAGING	SHELFLIFE	DOSAGE	REACH
-	0	✓	Liquid	16 kg can	24	Make-up products: 0,2 - 1% Skin care products: 1 - 30%	Not registered. Exemption: <1t/year/importer
-	0	✓	Liquid	16 kg can	24	Make-up products: 0,2 - 1% Skin care Products: 1 - 30%	Not registered. Exemption: <1t/year/importer
-	0,5-1	✓	Liquid	16 kg can	24	Oil-base formulations: 0,5 - 70% Emulsions: 0,5 - 10% Make-up products: 0,5 - 30%	Exemption: polymer

Multifunctional emulsifiers

PRODUCT	INCI NAME	CHARACTERISTICS	BENEFITS
SUNSOFT® α-C(MB)	POLYGLYCERYL-5 STEARATE GLYCERYL STEARATE	One-step emulsifying agent for o/w emulsion which easily forms lamellar gel network structure in a wide range of formulations.	Highly stable emulsion without any co-surfactant. A wide range of oils can be emulsified. Smoother & faster absorbing emulsion. Watery & hydrating texture.
TAISET 50-C(MB)	POLYGLYCERYL-6 OCTASTEARATE GLYCERYL BEHENATE (50% Polymer, 50% Monomer)	All-natural stability enhancer and oil soluble viscosity modifier, recommendable for o/w, w/o emulsions and color cosmetics.	Enhanced formulation stability over time. Prestigious spreadability. Sweatproof for o/w emulsion (e. g. sunscreen)
SUNSOFT® GSC-C	GLYCERYL STEARATE CITRATE	Glycerol-based versatile o/w emulsifier. Perfect sensorial modifier for o/w emulsions.	Beautiful gliding on skin with a lightweight texture. Long-lasting hydration.

Oil-soluble aesthetic modifier

PRODUCT	INCI NAME	CHARACTERISTICS	BENEFITS
TAISET OG-C(MB)	POLYGLYCERYL-20 OCTADECABEHENATE/HYDROXYSTEARATE	Oil soluble aesthetic modifier covering range of oils/waxes. It gives various textures from balm-like hardness to slightly cushioning oil, even enabling very subtle and delicate sensorial perception. Providing velvety & melting texture, enchanting spreadability, smoother final touch, yet not causing stickiness on skin. Allowing less colour change and more stability.	Thixotropic thickener with faster & higher viscosity recovery. Create desired effects in look and feel. Incomparable thickening efficiency. Easy-to-handle including lower melting point.

Sunsoft® SPC-series

PRODUCT	INCI NAME	CHARACTERISTICS	BENEFITS
SUNSOFT® SCP10-C(MB)	POLYGLYCERYL-10 LAURATE/OLEATE/SEBACATE	All-natural solubilizer best suited for solubilization of essential and perfume oils in water-based systems.	Maintains crystal-clear appearance. Solubilization at low energy (Cold-processable). Delivers moisturizing benefits.
SUNSOFT® SCP4-C(MB)	POLYGLYCERYL-4 DIISOSTEARATE / POLYHYDROXYSTEARATE / SEBACATE	A pure natural & high-performing emulsifier, it is best suited to create natural, gentle yet powerful cleansing oils/balms and other emulsifying formulations.	Perfect cleansing ability. Low skin & eye irritation. Long-lasting hydration.

Conditioning agent for hair care

PRODUCT	INCI NAME	CHARACTERISTICS	BENEFITS
SUNSOFT® APF(G)-C(MB)	APRICOT KERNEL OIL POLYGLYCERYL-6 ESTERS	All-natural hair conditioning agent derived from apricot oil, covering both roots and strands. Optimized for shampoo formulation. Can also be used as a natural o/w emulsifier with high moisture retention effect. COSMOS approved.	Hair Care: Improved hair manageability, detangling, smoothness, and anti-frizz. Enhanced hair protection effect. Quicker blow-drying. Skin Care: Moisturizing effect. Smooth and silky finish. Quick skin absorption.
SUNSOFT® TAP-C(MB)	APRICOT KERNEL OIL POLYGLYCERYL-6 ESTERS	All-natural hair conditioning agent derived from plentiful apricot oil, covering both roots and strands. Can also be used as an emollient having high moisture retention capacity and emulsification capability.	Hair Care: Improved hair manageability; detangling, smoothness, and anti-frizz. Enhanced hair protection effect. Quicker blow-drying. Skin Care: Moisturizing effect. Smooth and silky finish. Quick skin absorption

Please note: o/w: oil / water, w/o: water / oil



HLB	NI	China	FORM	PACKAGING	SHELFLIFE	DOSAGE	REACH
-	0/1	✓	Pellet	16 kg can	24	3 - 7%	Not registered. Exemption: <1t/year/importer
-	1	✓	Pellet	10 kg carton	36	0,2 - 3%	Not registered. Exemption: <2t/year/importer. TAISET 50-C(MB) is a blend of 50% polymer and 50% monomer, so Taiyo GmbH can import <2t/year without REACH registration
8,0	1	✓	Flake	10 kg carton	24	0,5 - 3%	Not registered. Exemption: <1t/year/importer

HLB	NI	China	FORM	PACKAGING	SHELFLIFE	DOSAGE	REACH
-	0,5 - 1	X	Flake	10 kg carton	24	0,5 - 5%	Exemption: Polymer

HLB	NI	China	FORM	PACKAGING	SHELFLIFE	DOSAGE	REACH
-	1	X	Paste	18 kg can	24	0,1 - 3%	Exemption: Polymer
-	1	✓	Paste	18 kg can	24	Oil-base makeup removers: 3 - 20% o/w emulsions: 0,5 - 5%	Exemption: Polymer

HLB	NI	China	FORM	PACKAGING	SHELFLIFE	DOSAGE	REACH
-	1	✓	Paste	16 kg can	18	Hair conditioning agent: 0,5 - 3,0% o/w emulsifier: 0,5 - 5,0%	Exemption: Polymer
-	1	✓	Liquid	16 kg can	18	Hair conditioning agent: 0,5 - 3,0% Emollient, o/w emulsifier: 0,1 - 5,0%	Exemption: Polymer

BEYOND EMULSIFIERS

SUNSOFT® emulsifiers have unique and exclusive structural properties, mainly featured by low content of cyclic polyglycerols enabling enhanced hydrophilicity. They can offer a wide range of applications covering emulsification, solubilization, detergency and foaming. Any formulation with SUNSOFT® guarantees a well-absorbing sensory experience with less greasy residue, only leaving the skin feel soft and hydrated. SUNOIL emollient enhances the absorption of oil components through the skin while leaving the skin feel soft and smooth. TAISSET can contribute to the enhanced stability of emulsions while forming polarized association structures around the interface between oil and water.

Sunsoft® Q-Y series

Highly hydrophilic PGFE made by Taiyo's proprietary method

SUNSOFT® Q-12Y-C(MB)	POLYGLYCERYL-10 LAURATE
SUNSOFT® Q-121Y-C(MB)	POLYGLYCERYL-10 LAURATE
SUNSOFT® Q-123Y-C(MB)	POLYGLYCERYL-10 TRILAURATE
SUNSOFT® Q-14Y-C(MB)	POLYGLYCERYL-10 MYRISTATE
SUNSOFT® Q-14YG(50)-C(MB)	POLYGLYCERYL-10 MYRISTATE/GLYERIN
SUNSOFT® Q-17Y(G)-C(MB)	POLYGLYCERYL-10 OLEATE**
SUNSOFT® Q-172Y(G)-C(MB)*	POLYGLYCERYL-10 DIOLEATE**
SUNSOFT® Q-18Y-C(MB)	POLYGLYCERYL-10 STEARATE
SUNSOFT® Q-182Y-C(MB)	POLYGLYCERYL-10 DISTEARATE
SUNSOFT® Q-19Y-C(MB)	POLYGLYCERYL-10 ISOSTEARATE
SUNSOFT® Q-192Y-C(MB)	POLYGLYCERYL-10 DIISOSTEARATE
SUNSOFT® Q-8H-C(MB)	POLYGLYCERYL-6 CAPRYLATE
SUNSOFT® Q-102H-C(MB)	POLYGLYCERYL-6 DICAPRATE

Sunsoft® A-E series

Highly purified PGFE made by Taiyo's proprietary production

SUNSOFT® A-12E-C(MB)	POLYGLYCERYL-5 LAURATE
SUNSOFT® A-14E-C(MB)	POLYGLYCERYL-5 MYRISTATE
SUNSOFT® A-141E-C(MB)	POLYGLYCERYL-5 MYRISTATE
SUNSOFT® A-143E-C(MB)	POLYGLYCERYL-5 TRIMYRISTATE
SUNSOFT® A-17E(G)-C(MB)	POLYGLYCERYL-5 OLEATE**
SUNSOFT® A-171E(G)-C(MB)*	POLYGLYCERYL-5 OLEATE**
SUNSOFT® A-172E(G)-C(MB)*	POLYGLYCERYL-5 DIOLEATE**
SUNSOFT® A-173E(G)-C(MB)*	POLYGLYCERYL-5 TRIOLEATE**
SUNSOFT® A-18E-C(MB)	POLYGLYCERYL-5 STEARATE
SUNSOFT® A-181E-C(MB)	POLYGLYCERYL-5 STEARATE
SUNSOFT® A-186E-C(MB)	POLYGLYCERYL-5 HEXASTEARATE

Multifunctional emulsifiers

SUNSOFT® α-C(MB)	POLYGLYCERYL-5 STEARATE GYCERYL STEARATE
TAISSET 50-C(MB)	POLYGLYCERYL-6 OCTASTEARATE GYCERYL BEHENATE
SUNSOFT® GSC	GLYCERYL STEARATE CITRATE

Glycerol esters of fatty acids

SUNSOFT® No. 707-C(MB)	GLYCERYL CAPRYLATE
SUNSOFT® No. 750-C	GLYCERYL LAURATE
SUNSOFT® No. 2500-C(MB)	GLYCERYL STEARATE
SUNSOFT® No. 8004-C(MB)	GLYCERYL STEARATE
SUNSOFT® No. 30-C(MB)	GLYCERYL STEARATE SE
SUNSOFT® No. 8100-C(MB)	GLYCERYL BEHENATE

Sunsoft® Q-S series

Highly safe PGFE with plant origin ingredients

SUNSOFT® Q-14S-C(MB)	POLYGLYCERYL-10 MYRISTATE
SUNSOFT® Q-17S(G)-C(MB)*	POLYGLYCERYL-10 OLEATE**
SUNSOFT® Q-175S(G)-C(MB)*	POLYGLYCERYL-10 PENTAOLEATE**
SUNSOFT® Q-1710S(G)-C(MB)*	POLYGLYCERYL-10 DECAOLEATE**
SUNSOFT® Q-18S-C(MB)	POLYGLYCERYL-10 STEARATE
SUNSOFT® Q-182S-C(MB)	POLYGLYCERYL-10 DISTEARATE
SUNSOFT® Q-185S-C(MB)	POLYGLYCERYL-10 PENTASTEARATE
SUNSOFT® Q-81F-C(MB)	POLYGLYCERYL-6 CAPRYLATE

Mild deterging agents

Excellent foaming ability with low irritant detergent.

SUNSOFT® M-12J(MB)	POLYGLYCERYL-10 LAURATE
SUNETHER L-4	POLYGLYCERYL-4 LAURYL ETHER

Polyglycerol polyricinoleate

Powerful W/O emulsifiers with excellent powder dispersibility

SUNSOFT® No. 818R-C	POLYGLYCERYL-5 POLYRICINOLEATE**
SUNSOFT® No. 818SK-C(MB)	POLYGLYCERYL-6 POLYRICINOLEATE

Emollients

Highly safe emollients from glycerol esters

SUNOIL GDI-D	GLYCERYL DIISOSTEARATE
SUNOIL GTI-D	TRI-ISOSTEARIN
SUNOIL DDI(MB)	POLYGLYCERYL-10 DECAISOSTEARATE

Oil soluble aesthetic modifier

TAISSET OG-C(MB)*	POLYGLYCERYL-20 OCTADECA-BEHENATE /HYROXYSTEARATE
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Diglycerol esters of fatty acids

SUNSOFT® Q-12D-C(MB)	POLYGLYCERYL-2 LAURATE
SUNSOFT® Q-17D-C(MB)	POLYGLYCERYL-2 OLEATE**
SUNSOFT® Q-17B(G)-C(MB)	POLYGLYCERYL-2 SESQUIOLEATE**
SUNSOFT® Q-18D-C(MB)	POLYGLYCERYL-2 STEARATE

Sunsoft® SPC

Highly functional PGFE with plant-origin ingredients

SUNSOFT® SCP10-C(MB)*	POLYGLYCERYL-10 LAURATE/OLEATESEBACATE**
SUNSOFT® SCP4-C(MB)*	POLYGLYCERYL-4 DIISOSTEARATE / POLYHYDROXYSTEARATE / SEBACATE

Conditioning agent for hair care

SUNSOFT® APF(G)-C(MB)*	APRICOT KERNEL OIL POLYGLYCERYL-6 ESTERS**
SUNSOFT® TAP-C(MB)*	APRICOT KERNEL OIL POLYGLYCERYL-6 ESTERS**

*Production on order **Main Component

