

NOMCORT® *Ikeda Gellants*



iKeda



NOMCORT® AG

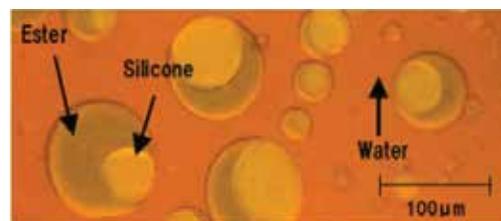
INCI name: *Agar (And) Xanthan Gum*

Properties:

- Eco-friendly emulsifying system of AG makes easy to prepare surfactant-free emulsions with several kinds of oil including high polar esters and insoluble oil combinations
- Possible to emulsify several kinds of oil without considering polarity such as constituents like non-polar hydrogenated polydecene, low polar ester cetyl ethylhexanoate, high polar ester polyglycerl-2 triisostearate, silicone cyclomethicone, and UVB absorber ehtylhexyl methoxycinnamate.
- Can develop new emulsion products related to oil texture with large particle sizes

Applications: Whitening emulsions, cleansing gels, cream foundation, sunscreen lotion, and in formulations with high salt levels (ex. 3 wt/wt% of magnesium ascorbyl phosphate)

Usage Levels: Between 1.5-2.0 (wt/wt)%



An image showing the possibility to emulsify insoluble oil combinations with large particle sizes

NOMCORT® HK-G

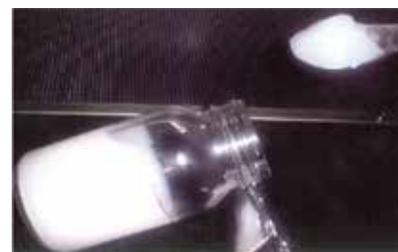
INCI name: *Glyceryl Behenate/Eicosadioate*

Composition: A mixture of esters of glycerin with behenic and eicosadioic acids

Appearance: Pellet form; white to pale yellow, waxy solid

Properties:

- An oil gelling agent for a smooth gel with thixotropic qualities
- **Gel strength (5% w/w) in descending order of oil success:** diisostearyl malate, polyglyceryl-2 triisostearate, castor oil, phenyl methicone, squalane, jojoba oil, and mineral oil
- Gel strength is increased by adding higher concentrations of HK-G to oils and can also be used in combination with other gellants
- Can be used as a thickener and a stabilizer in water-in-oil preparations
- Melt temperature is approximately 65°C



Gellant achieved by mineral oil/ HK-G (5% gel)

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NOMCORT® CG

INCI name: *Xanthan Gum (and) Ceratonia Siliqua (Carob) Gum*

Properties:

- A highly elastic natural polymer
- Water soluble and derived from vegetables which makes it easy to formulate into a transparent gel
- The subsequent gel imparts a skin covering effect, and is compatible with active ingredients such as collagen, and vitamin C derivatives
- Easy to mold in a particular form and has anti-freezing capabilities
- The gel strength (figure 1) and viscosity (figure 2) is directly proportional to the amount of Nomcort® CG used

Applications: Aroma gel, serum, and translucent mascara (Concentrations of 0.1-1.0%)

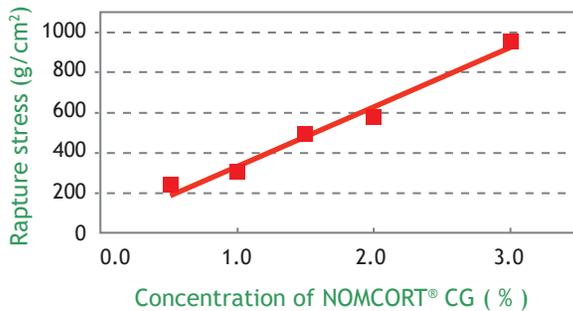


Figure 1.
Proportional nature of gel strength versus concentration of NOMCORT® CG (left) and gel strength by manual demonstration (right)

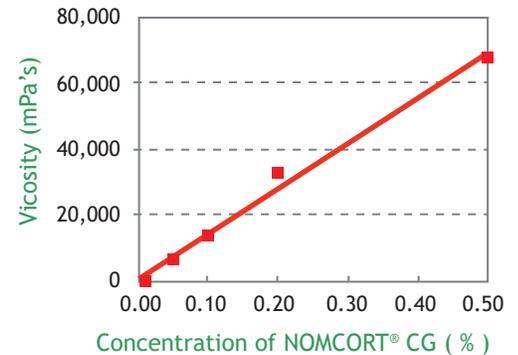


Figure 2.
Proportional nature of viscosity versus concentration of NOMCORT® CG



KMU-032F-BR

Theatrical Makeup - Pearlescent Gold

Part 1

- Permethyl® 99A - Cosmotec: *Isododecane* 15.50%
- KOBOGUARD® MQ75ETS - Kobo Products: *Trimethylsiloxysilicate (And) Ethyl Trisiloxane* 15.00%
- KOBOGUARD® HRPC - Kobo Products: *Hydrogenated Polycyclopentadiene (And) Polyethylene (And) Copernicia Cerifera (Carnauba) Wax (And) Tocopherol* 10.00%
- T.I.O. - Ikeda/Kobo Products: *Triethylhexanoin* 8.00%
- CPF-3300@10cSt - Avantor/Kobo Products: *Phenyl Trimethicone* 5.00%
- Bentone Gel® ISD V - Cosmotec: *Isododecane (And) Distearidimonium Hectorite (And) Propylene Carbonate* 4.00%
- VEGETABLE WAX-SS1 (Non-GMO) - Ikeda/Kobo Products: *Helianthus Annuus (Sunflower) Seed Wax (And) Phytosterols* 3.50%
- NOMCORT® HK-G - Ikeda/Kobo Products: *Glyceryl Behenate/Eicosadioate* 3.00%
- SALACOS® WO-6 - Ikeda/Kobo Products: *Dipentaerythryl Tri-Polyhydroxystearate* 1.00%

Part 2

- K-RAY® SM ROYAL GOLD - Kobo Products: *Synthetic Fluorphlogopite (And) Titanium Dioxide (And) Iron Oxides (CI 77491)* 30.00%

Part 3

- MST-547-FS - Kobo Products: *Polymethylsilsesquioxane (And) Perfluorohexylethyl Triethoxysilane* 5.00%

Manufacturing Procedure

1. Add Part 1 ingredients and heat to 80°C until wax is completely melted.
2. Add Part 2 and mix well until homogeneous.
3. Add Part 3 and mix well until homogeneous
4. Pour the bulk into components.

Description

This long-lasting, non-transfer and highly-pigmented color concentrated hot pour formula is positioned as a stage makeup tool. It can be used on both face and body. The formula features K-RAY® SM ROYAL GOLD, a Synthetic Fluorphlogopite based pearlescent pigment. VEGETABLE WAX-SS1 (Non-GMO) is used to structure the formulation in combination with NOMCORT® HK-G, an oil phase gellant, that also can help to improve formula stability. T.I.O., SALACOS® WO-6 and CPF-3300@10cSt are emollients that offer spreadability and lubricity. For adhesion and substantivity of the formula to the skin, water-resistance and rub-resistance, the optimized blend of film formers KOBOGUARD® HRPC and KOBOGUARD® MQ75ETS is added. MST-547-FS provides a silky slip during application. FS treatment shows both water and oil repellency, which contributes to adherence and long wear.

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Ikeda Gellants

www.koboproducts.com