



GIGA FINE CHEMICAL CO., LTD

16F-6, No. 412, Sec 5, Zhongxiao East Road, 110, Taipei, Taiwan
TEL:02-27533199 FAX:02-27533215

ZigaMoist γ -PGA & L80
are added in formulation to protect
your skin while preventing epidemic.

With concerns about **COVID-19** invading in the world, people will use cleaning products, disinfectants and hand sanitizers.

When you.....

1. **Wearing a mask** to prevent infection
2. **Washing your hands** frequently
3. **Disinfecting with alcohol** is becoming routine.

Alcohol-based cleaning products are quick-drying and refreshing.

Using high-concentration ethanol challenges the skin health .



When exposed to high concentration ethanol over time, it cause **dry hands** and damage the skin lipids.

- **Redness**
- **Itching**
- other phenomena.



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Suggested formulation (below tables)

Hand Sanitizer (Spray)			
Ingredient		INCI Name	%
A	H ₂ O	Aqua	TO 100
	Absolute Alcohol (95%)	Absolute Ethanol	75.0
B	Glycerin	Glycerol	3.00
	Tea tree oil	MELALEUCA ALTERNIFOLIA leaf oil	0.20
C	ZigaMoist Hydrogel L80	Sodium Polyglutamate	2.00

Remarks: Due to the physical properties of the raw materials, the system is semi-opaque, which does not affect the product effect. Non-transparent packaging materials can be used.

Process :

1. Disperse and dissolve **Phase B** in advance.
2. Mix **Phase A** evenly; add phase B and stir.
3. Then add **Phase C** and stir .

Hand Sanitizer (Gel)			
Ingredient		INCI Name	%
A	H ₂ O	Aqua	TO 100
	Carbopol U ₂₀₂₀	Carbomer	0.35
B	TEA	Triethanolamide	0.50
C	ZigaMoist Γ-PGA (HM)	Sodium polyglutamate	0.05
D	Glycerin	Glycerol	3.00
	Tea tree oil	MELALEUCA ALTERNIFOLIA leaf oil	0.20
E	Absolute Alcohol (95%)	Absolute Ethanol	75.0

Process :

1. Disperse and dissolve **Phase D** in advance before use.
2. Heat **Phase A** to 85 degrees to dissolve uniformly; when the temperature of the **Phase A** decrease to 65 degrees, add **Phase B** to neutralize completely, then add **Phase C** to completely dissolve.
3. Add the **Phase D** and **Phase E** when the temperature of the phase A decrease to 35 degrees.

While preventing epidemics,

don't forget to take good care of your skin ~