

Hand Sanitizer (70% Ethanol)



SEQ. #	TRADE NAME	INCI NAME	% IN FORMULA	FUNCTION
1	Absolute Ethanol	Ethyl Alcohol	27.00	Active Ingredient
2	TICACEL HV Powder	Methylcellulose	1.30	Thickener
3	DI Water	Water (Aqua)	27.20	Carrier
4	Glystar A-31	Sorbitol & Glycerin	1..50	Humectant
5	Absolute Ethanol	Ehtyl Alcohol	43.00	Active Ingredient
TOTAL			100.00	

Procedure

1. Add seq. # 1 and slowly disperse seq. # 2 into the main tank. Mix for 5 min.
2. Slowly add seq. # 3. Mix until uniform and no lumps or fish eyes are visible. In the lab, the mixing was done for 10 min. The solution should turn more translucent.
3. Add seq.# 4 and mix until homogeneous.
4. Add seq. # 5, Ethanol slowly. The solution should be translucent.
5. Initial viscosity is low at below 2,000 cps. After 24 hours, viscosity will build close to 5,500 cps.

Product Properties:

pH: 5.5 – 7

Viscosity (RVT 5/20 rpm):
2,000 - 5,500 cP