

POWDER TO LIQUID

LIQUID HAND SOAP



A POWDER BASED HAND LIQUID SOAP FORMULATION WHICH CAN BE EASILY DILUTED IN WATER TO MAKE A HAND LIQUID SOAP.

BENEFITS

- Savings on Packaging
- Savings on manufacturing Cost - Dry Blending Only
- Savings on Transportation - No need to ship water
- Disposable Paper/Plastic Sachets of 10 gram can be used
- Value for money
- Savings on Shelf Space at the retailer

Ingredient	PTL-5 %wt
Sodium Lauryl Sulfate Powder	88.4
Cellose QP 100M	10
Polyox WSR 301	0.3
Citric Acid	0.3
Preservative / TEQGUARD IND	1*

*Diluted preservative was added in formulation for protect finaly product



Description	PTL -5
Appearance	Free Flowing Powder
Performance Test 10g Powder Mixed in 100ml Water and Shaken for 2min Settle for 30 min to 1 hour	Viscous Liquid
Viscosity, cPs	6369 (Brookfield LV3, 12 RPM)
pH	6 - 7
At Room Temp	Stable for 4 week
At 45 deg	Stable for 4 week
Hand Wash Test 1.5g Hand Liquid Soap used for washing hand	Easy to spread, Easy to Pump, Lubricious/Soft Feel, Good Foam, No residue after washing



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PROCEDURE:

Components are mixed until a homogeneous mixture is obtained. 10 g of powder mixture is added to 90 ml of water and mixed for 2 minutes.

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