

# Details on alcohol based herbal hand sanitizer developed by CSIR-NBRI

This is in reference to simple and low cost technology for alcohol based herbal hand sanitizer. We are sharing the details of composition and its production in Unnat Bharat Abhiyan identified & monitored institutions at societal level. Details of composition simple and low cost technology for alcohol based herbal hand sanitizer prepared by Dr. Sharad Srivastava, Senior Principal Scientist, Pharmacognosy & Ethnopharmacology Division, CSIR-National Botanical Research Institute, Lucknow.

## **Ingredients:**

1. Isopropyl alcohol or Ethanol: 70%
2. Aloe vera/ *A. barbadensis* (fresh leaves juice): 30%
3. Citriodora oil: 0.05%
4. Perfume as per requirement within permissible limit.

## **How to prepare:**

For ten liters of sanitizer:

1. Take 3 kg of Aloe fresh leaves and mesh it through mixer/grinder.
2. Keep the mixed juice in a 10 liter Jar and then add 70% Ethanol/Iso Propyl alcohol (7 liters) in it.
3. Keep the mixer for 30 min and do shaking at regular interval.
4. Filter the mixed liquid through muslin cloth.
5. Add Citriodora oil: 0.05% to the filtered solution. If it is not available add any perfume as per requirement within permissible limit.
6. Shake well and then transfer the prepared sanitizer to 100/200/500 ml bottles.
7. Your sanitizer is ready for distribution.

For any Clarification you may contact

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