



## Neem Phenyl: A Herbal Product



Neem is widely available throughout the country as wild growth or planted in villages/suburbs for shade. The pesticidal and insecticidal properties of Azadirachtin present in Neem have been internationally acclaimed now although Indian Homes using neem leaves from time immemorial for preservation of food grains and woolen clothes.

There is great stress on use of herbal products in the country as well as all over the world due to absence of any side effects.

### Applications

- It is suggested to manufacture Neem Phenyl for use in houses, hospital etc. in place of chemical phenyl.
- The product would find wide market.
- The ingredients used in this formulation would also repel flies, mosquitoes and cockroaches.



## Raw Material

Following raw materials are required in the manufacturer of Herbal Phenyl which is easily available in the local market.

S. No	Material	Rate
1.	Neem Oil	Rs. 60/litre
2.	Water	-
3.	Citronella Oil	Rs. 400/litre
4.	Colour	Rs. 700/litre

## Material Mix for 100 litre of Phenyl

S. No.	Material	Percentage	Quantity	Cost
1.	Water	90 per cent	90 litre	Rs. 2.00
2.	Neem Oil	5 per cent	5 litre	Rs. 300.00
3.	Citronella Oil	1 per cent	1 litre	Rs. 400.00
4.	Colour	-	200 ml	Rs. 140.00
5.	Packaging materials	-	-	Rs. 1000.00
			Total	Rs. 1842.00

Say Rs. 1900/- for 100 litres



## Machinery Required

S. No	Machinery	Cost
1	Mixer-cum Emulsifier of 200 litre capacity	Rs. 25,000
2	Packaging machine	Rs. 10,000
3	Measuring cups and misc.	Rs. 5,000

## Process of Manufacturing

Raw materials-water, Neem oil and citronella oil are mixed in proper proportion and transferred to emulsifier. The emulsification process is carried out for 4-6 hr. the emulsified material is filled in PVC bottles/cans and sealed by using cap sealing machine.

## Market Demand

It is a herbal phenyl that can replace all the other phenyl available in the market. It not only cleans the floor but also acts as a repellent agent for cockroaches, mosquitoes, flies etc. It disinfects also. Hospitals, nursing homes, offices and homes form a big market of herbal phenyl.

**For procurement of raw material the following addresses can be contacted:**

**1. Panther Biotech Pvt Ltd.**

56-A, Vasudevan Nagar, G.K. Pet,  
Chennai. Tamil Nadu.

Ph: 044 65730625. Fax: 044-23701103.

Cell: 09944405520.

Website: [www.organicneem.com](http://www.organicneem.com)

**2. Vanshree Agrotech**

J-116, Megacentre,  
Madarpatta, Hadapsar,

Pune – 28.

Cell: 09881901712.

**For citronella oil:**

**Haritwal Essential Oil Exporters**

272/273, Hind Rajasthan Shopping Centre,

Flat No. 113, 1<sup>st</sup> Floor,

Sion (West), Mumbai – 4075865.

For further information entrepreneurs can contact the author at the following address.



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