## How to make solid EM Waste Oil Soap(EM Soilid Soap) 0000000000000000000

## MATERIALS



Waste Cooking Oil 3.3L

**EM Ceramics Powder** 

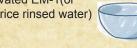
(e.g. EM Super Cera)



Lye/Caustic Soda (Sodium Hydroxide)



Activated EM-1(or EM rice rinsed water)



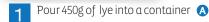


A Bowl 2L or more is recommended for mixing the lye,



## **PROCEDURE**

100g





Pour 3.3L of waste cooking oil in the container (B)



Pour the mixture into the plastic or paper molds.



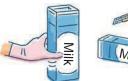
Add Activated EM-1 (or EM rice rinsed water) slowly into the container Aand mix in lye.



Slowely pour the solution 3 nto the container **B** and mix them take 5-10 minutes to pour the solution )



Let the soap mixture sit at room temperature for 12 hours to 3 days. Remove the soap bar from the molds before the soap becomes completely hard



%They should pop right off, but you may need to twist the tray a little so that they may come off.

Stir the lye mixture with a stick blender and let it cool down to between 35-40 ℃.



Stir the mixture with a stick blender until it looks like thick pudding (about 15-30 min).



Cut the soap bar into pieces and allow to sit for full 4 to 6 weeks to cure and finish the saponification process



## NOTE

- 1. Take a great care of hundling lye because the lye is a drastic medicine and can cause burns.
- 2.Put on the rubber gloves and wear long sleeves. Make sure you are working in a well ventilated area. Avoid the aluminum or copper tools and use stainless steel, enameled or plactic containers instead.
- 3. Wash your hands immediately with water if touched the mixture by mistake.
- 4. Making soap in the warm season is ideal.
- 5. The soap needs to sit in the air for a month in order to neutralize alkaline in the soap (stage





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