

## ARACHIS ONLINE TRAINING MODULE14: TYRE POLISH

How to make tyre polish 20 Litres bucket

1. Water 14.8L
2. Silicone Emulsion 4.0L
3. NP9 250ml
4. CMC 120g
5. IPA kana kuti Butyl Glycol 200ml
6. Glycerine 300ml
7. Preservative 20-30ml
8. Black Dye (optional) shoma
9. Fragrance 20ml

### **Mixing Procedure (Important for Stability)**

- 1.Add **12 L water** into drum
- 2.Disperse thickener (CMC/HEC) slowly while stirring
- 3.Mix until fully hydrated (10–20 min)
- 4.Add glycerine
- 5.Add emulsifier (NP9 / TX-10)
- 6.Add IPA / solvent
- 7.Slowly add silicone emulsion while stirring gently
- 8.Add preservative
- 9.Add colour & fragrance
- 10.Top up water to 20 L

⚠ Never add thickener after silicone — it will form lumps.

### **Cost Control Tips**

To stay “low cost”:

Use 35% silicone instead of 60% → still works well

Reduce glycerine if needed

Colour optional (saves money)

The silicone is the only expensive component — but also the only one customers actually pay for.

