

ARACHIS ONLINE TRAINING

MODULE 4: PINE GEL

INGREDIENTS

Water: **15 litres**

Sulphonic Acid: **3 kg**

Caustic Soda: **350 g** (dissolved in water, max 400 g)

NP6: **1 kg**

Pine Oil: **1 litre**

Green Dye: as required

Optional thickener:

Salt solution (½ – 1 cup)

Preservative:

Formalin 5–10 ml

Instructions

STEP 1: Water

Isa **15 litres emvura** mubucket rakachena.

STEP 2: Sulphonic Acid

Isa **3 kg Sulphonic Acid** zvishoma nezvishoma uchirunga kusvikira yanyungudika zvachose.

STEP 3: Caustic Soda (IMPORTANT)

Nyungudutsa **350 g Caustic Soda** mu **1–2 litres emvura** yakasiyana

Kana yatonhorera, **idire zvishoma nezvishoma** mumusanganiswa

Siya kwe **1 hour** wobva wapima **pH**

pH inofanira kuva **6.5 – 7.5**

Usapfuure **400 g Caustic Soda**

STEP 4: NP6

Isa **1 kg NP6** worunga kusvika yasanganiswa zvakanaka.

STEP 5: Pine Oil

Isa **1 litre Pine Oil** worunga zvinyoronyoro.

STEP 6: Colour

Isa **green dye** zvishoma nezvishoma kusvika wawana ruvara rwaunoda.

STEP 7: Kukora (Optional but recommended)

- Wedzera **salt solution** zvishoma nezvishoma kusvika gel yakora sezvaunoda.

STEP 8: Preservation

- Wedzera **5–10 ml Formalin** kana uri kuchengeta kwenguva refu.