**Operational Steps**

1. Check the chiller is working by touching surface of chamber of bead mill.
2. Ensure the air compressor is working.
3. Switch ON the power supply l
4. Clean the bead mill using suitable cleaning media
5. Keep sequence below while shifting machine from one media to other
6. Ensure that mill and pot is perfectly clean.
7. Check the flow and viscosity of premix and ensure that pre-mix viscosity is less than 5000 cP (using kerb stormer viscometer) and it is not in gel or agglomerate form.
8. Put the material in bead mill through hopper and turn ON the machine
9. Ensure the material is circulating in bead mill by mixing it in hopper with a spatula.
10. Check the grinding of material using Grinding Gauge after 15 minutes by taking material coming from circulation pipe
11. If material is grinded to required micron value then remove the material in a beaker from bead mill using front valve.
12. If material is not grinded to required micron value then run the material on bead mill again till required particle size achieved
13. After removal of material, clean the bead mill.

**Safety Precautions**

1. Ensure that you have put on the prescribed personal protective equipment (PPE)-Eye goggles, face mask and gloves.
2. Do not switch on electrical switches with wet hands.
3. If the cable attached to the mixer is damaged, stop using the machine. Contact your supervisor or maintenance department
4. Do not run the machine without any liquid or without any other product in it.
5. Do not put your hand or anything in the bead mill while it is operational.
6. Always unplug the bead mill before cleaning.
7. Keep following sequence while cleaning:

Water based colorant **→** Wash machine with plenty of water → Wash Machine with IPA → Wash machine with Solvent (Xylene/Ethyl Acetate/MEK) → Run solvent based colorant

Solvent based colorant **→**Wash machine with Solvent (Xylene/Ethyl Acetate/MEK) → Wash Machine with IPA → Wash machine with plenty of water → Run solvent based colorant