



INSTRUCTIONS FOR USE - ENGLISH

KLEMM

Metallographic reagent

Potassium metabisulfite, sodium thiosulfate

Safety Precautions:

- Always wear safety goggles, chemical-resistant gloves, and a lab coat.
- Work under a fume hood to avoid inhaling any vapors.
- Handle chemicals with care to prevent skin contact and accidental ingestion.
- Consult the Safety Data Sheet (SDS) for detailed safety information before handling the etchant.

Procedure:

1. Measure 50 ml of the provided solution of sodium thiosulfate and pour it into a clean beaker under a fume hood.
2. Weigh 1 g of potassium metabisulfite ($K_2S_2O_5$) powder and add it to the beaker.

If the prepared etchant is not sufficiently aggressive, you can add up to 5 g of the powder in total.

3. Stir the mixture with a glass rod until the powder is completely dissolved.
4. The etchant is now ready for use.

Dispose of any unused solution following local regulations for hazardous waste.

Always refer to the SDS for additional precautions and safe handling guidelines.