Ok the nasty chemical is potassium tetracyanozincate. The chemical number for this is C-7525 and LIMS says it’s kept outside in the toxics cupboard. When handling this chemical, never open outside the fume hood, use the thickest nitrile gloves you can find and John C says to have some bleach nearby in case you spill any. Debbie might know of any extra precautions as well, I think she has used it before in the HCN method.

Prepare an intermediate cyanide spiking solution (solution I) by adding 1.7ml of potassium tetracyanozincate stock solution to a 50ml volumetric flask and making up to the mark with UHQ water.

The new make grain spirit is logged in as sample number S22-0313, it is in a 2 litre Duran bottle which I left on the bench in General lab bay 1. Unless someone has tidied it away for me.

In a fume hood still, partially fill a 25ml clear glass volumetric flask with new make grain spirit, add 0.25ml of solution I, make up to the mark with new make grain spirit. Please label up the cyanozincate solution I and put away (probably in the toxics cupboard with the parent solution to be safest) for me to use with the next part of the trial.

Please then put the remaining new make grain spirit sample in the 2L bottle away in a dark cupboard.

If we have them (I forgot to check) transfer the 25ml cyanide spiked new make grain to a clear glass bottle of appropriate size. If not keep in the volumetric. Add 0.5g (approx. is fine) of copper (II) chloride dihydrate.

Place in lightbox, and switch off on Friday please as close to the same time as possible!