

This recipe was supplied to me by Richard Whiteley years ago while I was in Australia. He told me, at the time, that Peter Layton in England had supplied it to him.

I did not include this formula in version 4 of Glass Notes as there seemed to be little use for it. Recently I've had a few requests for it so I'm posting it.

NOTE THE FOLLOWING

1. It is very difficult to obtain Ammonium hydrogen difluoride
2. IT IS VERY DANGEROUS.
3. It will only polish lead based glass
4. It will give soda/lime glass a frosted sheen

Sugar Acid Polish

Quantity can be varied as long as it is done proportionally

Distilled water (hot)----- 3.1 gal. (12 liters)

Very fine sugar ----- 22 lbs. (10 kg)

Ammonium hydrogen difluoride ---- 22 lbs. (10 kg)

**WHEN MIXING AND USING THIS ACID MIXTURE USE A RESPIRATOR
DESIGNATED FOR ACIDS AND FUMES.**

WEAR GAUNTLET STYLE RUBBER GLOVES AND A GOOD RUBBER APRON.

Mix all the ammonium hydrogen difluoride crystals with 2.6 gal. (10 liters) of boiled distilled water and stir vigorously. All the crystals will not be absorbed. The sugar is then mixed with the remaining 1/2 gallon (2 liters) of boiling water and added to the ammonium mixture.

Do not use any metal implements or pollute the solution with any foreign matter.

It has been found that this mix will polish lead based glass but will take a few days, less when the mixture is fresh. This solution will not polish other types of glass, but will only give a frosted sheen.

Use at your own risk