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! KING ARTHUR'S DEMOLITION ARTICLE #1!
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LIKE ALL CHEMISTS I MUST ADVISE YOU ALL TO TAKE THE GREATEST CARE AND CAUTION WHEN YOU ARE DOING THIS. EVEN IF YOU HAVE MADE THIS STUFF BEFORE.

THIS FIRST ARTICLE WILL GIVE YOU INFORMATION ON MAKING NITROGLYERIN, THE BASIC INGREDIENT IN A LOT OF EXPLOSIVES SUCH AS STRAIGHT DYNAMITES, AND GELETIN DYNAMITES.

MAKING NITROGLYCERIN

1. FILL A 75-MILLILITER BEAKER TO THE 13 ML. LEVEL WITH FUMING RED NITRIC ACID, OF 98% PURE CONCENTRATION.

2. PLACE THE BEAKER IN AN ICE BATH AND ALLOW TO COOL BELOW ROOM TEMP.

3. AFTER IT HAS COOLED, ADD TO IT THREE TIMES THE AMOUNT OF FUMING SULFURIC ACID (99% H₂SO₄). IN OTHER WORDS, ADD TO THE NOW-COOL FUMING NITRIC ACID 39 ML. OF FUMING SULFURIC ACID. WHEN MIXING ANY ACIDS, ALWAYS DO IT SLOWLY AND CAREFULLY TO AVOID SPLATTERING.

4. WHEN THE TWO ARE MIXED, LOWER THIER TEMP. BY ADDING MORE ICE TO THE BATH, ABOUT 10-15 DEGREES CENTIGRADE. (USE A MERCURY-OPERATED THERMOMETER)

5. WHEN THE ACID SOLUTION HAS COOLED TO THE DESIRED TEMPERATURE, IT IS READY FOR THE GLYCERIN. THE GLYCERIN MUST BE ADDED IN SMALL AMOUNTS USING A

MEDICINE DROPPER. (READ THIS STEP ABOUT 10 TIMES!) GLYCERIN IS ADDED SLOWLY AND CAREFULLY (I MEAN CAREFUL!) UNTIL THE ENTIRE SURFACE OF THE ACID IS COVERED WITH IT.

6. THIS IS A DANGEROUS POINT SINCE THE NITRATION WILL TAKE PLACE AS SOON AS THE GLYCERIN IS ADDED. THE NITRATION WILL PRODUCE HEAT, SO THE SOLUTION MUST BE KEPT BELOW 30 DEGREES CENTIGRADE! IF THE SOLUTION SHOULD GO ABOVE 30 DEGREES, IMMEDIATELY DUMP THE SOLUTION INTO THE ICE BATH! THIS WILL INSURE THAT IT DOES NOT GO OFF IN YOUR FACE!

7. FOR THE FIRST TEN MINUTES OF NITRATION, THE MIXTURE SHOULD BE GENTLY STIRRED. IN A NORMAL REACTION THE NITROGLYCERIN WILL FORM A LAYER ON TOP OF THE ACID SOLUTION, WHILE THE SULFURIC ACID WILL ABSORB THE EXCESS WATER.

8. AFTER THE NITRATION HAS TAKEN PLACE, AND THE NITROGLYCERIN HAS FORMED ON THE TOP OF THE SOLUTION, THE ENTIRE BEAKER SHOULD BE TRANSFERRED SLOWLY AND CAREFULLY TO ANOTHER BEAKER OF WATER. WHEN THIS IS DONE THE NITROGLYCERIN WILL SETTLE AT THE BOTTOM SO THE OTHER ACIDS CAN BE DRAINED AWAY.

9. AFTER REMOVING AS MUCH ACID AS POSSIBLE WITHOUT DISTURBING THE NITROGLYCERIN, REMOVE THE NITROGLYCERIN WITH AN EYEDROPPER AND PLACE IT IN A BICARBONATE OF SODA (SODIUM BICARBONATE IN CASE YOU DIDN'T KNOW) SOLUTION. THE SODIUM IS AN ALKALI AND WILL NEUTRALIZE MUCH OF THE ACID REMAINING. THIS PROCESS SHOULD BE REPEATED AS MUCH AS NECESSARY USING BLUE LITMUS PAPER TO CHECK FOR THE PRESENCE OF ACID. THE REMAINING ACID ONLY MAKES THE NITROGLYCERIN MORE UNSTABLE THAN IT ALREADY IS.

10. FINALLY! THE FINAL STEP IS TO REMOVE THE NITROGLYCERIN FROM THE BICARBONATE. THIS IS DONE WITH AN EYEDROPPER, SLOWLY AND CAREFULLY. THE USUAL TEST TO SEE IF NITRATION HAS BEEN SUCCESSFUL IS TO PLACE ONE DROP OF THE NITROGLYCERIN ON METAL AND IGNITE IT. IF IT IS TRUE NITROGLYCERIN IT WILL BURN WITH A CLEAR BLUE FLAME.

** CAUTION **

NITRO IS VERY SENSITIVE TO DECOMPOSITION, HEATING DROPPING, OR JARRING, AND MAY EXPLODE IF LEFT UNDISTURBED AND COOL.

NEXT ARTICLES: #2 MERCURY FULMINATE
 #3 DYNAMITES
 #4 CHLORIDE OF AZODE

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