

In the name of Allah, the Most Gracious, the Most Merciful

Al-Saqri Institute for Military Sciences presents

## Method of preparing explosive TNT(TNT



## [tri-nitrate toluene] ]TNT[ TNT acid preparation

The acid needed to manufacture explosives can be produced by adding nitrate fertilizer to full strength vinegar. With a simple drug such as aspirin, the explosive TNT can be produced. The recipe will be sufficient to manufacture several blasting capsules. Increasing the volume 100 times will allow enough material to be produced to manufacture a detonator jacket.

### Required chemicals:

- aspirin (tablets or powder)
- Calcium nitrate (fertilizer)
- hydrochloric acid (muriatic)
- Full strength vinegar (75% acetic acid)
- Disinfecting alcohol (91%)

### Required equipment:

- Hot plate and stove
- test tubes
- Filter papers and funnels
- mortar
- multi liter glass bottles
- Drying glass cooking tray

### Preparation:

#### First step:

- Get aspirin
  - Take 100 tablets of 325 milligram aspirin. Grind it to a fine powder.



### Note:

Some aspirin contains inert ingredients. Test the aspirin first to make sure it will dissolve in hot water. Add 3 crushed tablets to 10 ml of hot water, if all of the selected tablets have dissolved.**awhatif**Not all of the solid is dissolved, then the aspirin should be removed from the powder.



### Optional step:

#### Aspirin purification:

To extract aspirin from undissolved solids, take 100 tablets and add them to 100 ml of 91% disinfecting alcohol. Place the solution in a hot water bath. **Do not use fire with alcohol solution** (And stir until the tablets dissolve. Make sure to keep the liquid just below boiling point.

Filter the hot alcohol solution through filter papers, the remaining solid is waste.

Add the alcohol solution to 500 ml of cold water. Put the solution in an ice bath. The pure aspirin will come out of the solution, filter this solid for use in the second step.

### Step Two:

#### Converting aspirin to salicylic acid:(SA

Make a solution of 250 mL of water and 5 mL of muriatic acid. Add 30 g of pure aspirin to the solution. Place the solution in a hot water bath, just below boiling, and then dissolve all of the aspirin. Keep heating for another 10 minutes after all the aspirin has been incorporated into the solution.

Remove the solution from the hot water and leave it at room temperature. Eventually crystals will begin to form. Place the solution in an ice bath and cool it for 30 minutes.

Collect salicylic acid from aspirin using filter papers and allow the material to dry in the sun.

### Third step:

#### - start of formation of TNT acid: (TNT

- Prepare the nitric solution by adding 50 g of calcium nitrate to 100 ml of full strength vinegar. Heat the mixture just below boiling until all the compost has dissolved.

While the solution is still warm, add 20 g of the salicylic acid from step two.

- Heat the solution again until all the acid is dissolved **Do not let the solution boil.**
- Continue heating gently until the solution becomes yellow.
- When yellow color begins to appear, stir vigorously and quickly and the solution will turn dark red. Stop heating.
- Pour the red solution into 500 ml of cold water. Crystals will form quickly. Let the solution come to room temperature.



### Fourth step:

#### Complement the reaction product to form TNT acid.: (TNT

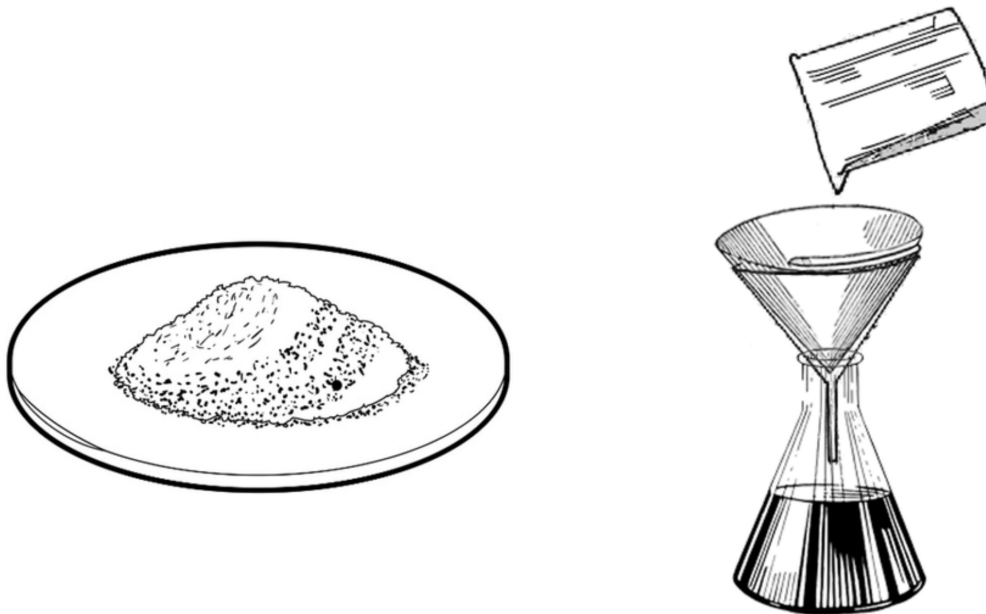
- Take the solution with the crystals formed in the third step and put them in a hot water bath just below boiling point. keep the temperature under **80M°**.
- Once all crystals have been returned to the solution, continue heating and stirring the mixture for another 30 minutes.
- After 30 minutes, allow the solution to reach room temperature.

### Fifth step:

– Place the beaker in the refrigerator or on ice for 3 hours. TNT acid)A (TNTA solid will appear on the top and bottom.

### Sixth step:

NominateTNT acid)(TNTaFor a pale yellow-brown steel, rinse with cold water. Let it dry overnight in the open air.



### Warning:

- Do not use the flame with alcohol or after the third reaction heating step.
- Do not let TNT acid(TNTIt comes into contact with metals where dangerous reactions can occur.
- save TNT(TNTunder water and dry the powder only when needed.

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**Sqr100**



God is the guardian of success