## MILITARY MEDIA INC.

FOR INFORMATIONAL & STUDY PURPOSES ONLY! DO NOT ATTEMPT TO MAKE THIS EXPLOSIVE. THIS CD IS FOR READING ENJOYMENT ONLY. MAKING THIS EXPLOSIVE COULD <u>INJURE OR KILL YOU</u>. THIS CD IS <u>NOT</u> INTENDED AS A RECIPE BOOK.

## Lead Azide

Unlike many explosives that must be enclosed in a casing to explode, and others that require a detonator to set them off, Lead Azide will explode in open air, either due to heat or percussion. Mixed with gum arabic glue, tiny dots of it are placed under match heads to make trick exploding matches. The same mixture coated onto 1/2 " wood splinters are used to "load" cigars. In larger amounts, it is used as a detonator. A moderately light tap will set it off, making it much more sensitive than the percussion explosives already mentioned. It is very easy to make.

Take about 1.3 grams of sodium azide and dissolve it in water. It's best not to use any more water than necessary. In a separate container, dissolve about 3.3 grams of Lead Nitrate, again only using as much water as needed to get it to dissolve. When the two clear liquids are mixed, a white precipitate of Lead Azide will settle out of the mixture. Add the Lead Nitrate solution, while stirring, until no more Lead Azide precipitates out. You may not need to use it all. Note that the above weights are given only for your convenience if you have the necessary scales, and give the approximate proportions needed. You need only continue to mix the solutions until no more precipitate forms.

The precipitate is filtered out and rinsed several times with distilled water. It is a good idea to store this in its wet form, as it is less sensitive this way. It's best not to store it if possible, but if you do, you should keep it in a flexible plastic container that wont produce sharp fragments in case of an explosion. (NO MORE THAN A GRAM AT A TIME !!!!) Also, make sure that the mouth of the container is wiped CLEAN before putting the lid on. Just the shock of removing the lid is enough to set off the dry powder if it is wedged between the container and the stopper. Don't forget that after you've removed the precipitate from the filter paper, there will still be enough left to make the filter paper explosive.

Lead Azide is very powerful as well as very sensitive. Never make more than a couple of grams at one time.

## **Reaction Equations**

Lead Sodium Lead Sodium
Nitrate Azide Azide Nitrate

Pb(NO) + 2NaN ---> Pb(N) + 2NaNO

32 3 32 3