MILITARY MEDIA INC.

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HOW TO MAKE POTASSIUM NITRATE

Materials needed:

- ---> 3.5 gallons of nitrate bearing earth or other material
- ---> 1/2 cup of wood ashes
- ---> bucket or other similar container about 4 5 gallons in volume
- ---> 2 pieces of finely woven cloth, each a bit bigger than the bottom of the bucket
- ---> shallow dish or pan at least as large in diameter as the bucket
- ---> shallow, heat-resistant container
- ---> 2 gallons of water
- ---> something to punch holes in the bottom of the bucket
- ---> 1 gallon of any type of alcohol
- ---> heat source
- ---> paper & tape

Procedure:

- 1. punch holes on the inside bottom of the bucket, so that the metal is "puckerd" outward from the bottom
- 2. spread cloth over holes in bottom
- 3. place wood ash on cloth; spread it out so that it covers the entire cloth and has about the same thickness
- 4. place 2nd cloth on top of the wood ashes
- 5. place the dirt or other material in the bucket
- 6. place bucket over shallow container (note: it may need supports on the bottom so the drain holes are not blocked)
- 7. boil water and pour it over the earth very slowly. Do NOT pour it all at once, as this will clog the filter on the bottom
- 8. allow water to run through holes into the shallow dish on the bottom
- 9. be sure water goes through ALL of the earth
- 10. allow water in dish to cool for an hour or so
- 11. carefully drain the liquid in the dish away, and discard the sludge in the bottom
- 12. boil this liquid over a fire for at least 2 hours. Small grains of salt will form scoop these out with the paper as they form
- 13. when the liquid has boiled down to 1/2 its original volume let it sit
- 14. after 1/2 hour add equal volume of the alcohol; when this mixture is poured through paper, small white crystals appear. This is the potassium nitrate.

PURIFICATION

- re-disolve crystals in small amount of boiling water
- remove any crystals that appear
- pour through improvised filter then heat concentrated solution to dryness.
- spread out crystals and allow to dry