

CRIMSON POWDER¹

For rocket Parachute Ejection Charge

Crimson Powder has certain advantages over *Black Powder*, including:

- lower combustion temperature which minimizes heat damage to the rocket
- higher impetus (i.e. more potent)
- residue is odourless and cleans up readily with warm water

Ingredients to make *Crimson Powder*:

6.2 grams	Potassium Nitrate
4.5 grams	Ascorbic acid. (In the form of Vitamin C tablets, =11 tablets, 500 mg each*)
0.5 gram	Red iron oxide
30 ml	Water, boiling

* Vitamin C tablets are typically 83% ascorbic acid, 17% cellulose filler.

Place all constituents into a pot containing the boiling water. Stir until tablets are dissolved. Strain through a double layer of paper towel (or similar filter material) to remove cellulose filler (*this step is not necessary if pure ascorbic acid is used*).

Boil mixture until most of water has evaporated and a **wet** “paste” remains, being careful not dry the mixture.

Scrape paste onto a shallow aluminum pan lined with aluminum foil.

Place in a pre-heated shop oven set to 150 F. (65 C.).

Allow to dry (approximately one hour).

Using mortar & pestle, grind up dried mixture to a granular powder.

Makes approximately 10 grams.

WARNING: DRY FORM IGNITES VERY EASILY & BURNS VERY FAST.
WEAR PROTECTIVE GEAR (FACE SHIELD, LEATHER GLOVES, ETC.) AT ALL
TIMES WHILE PREPARING & HANDLING.
NEVER MAKE MORE THAN 10 GRAMS AT A TIME.



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