

**Primes: Hot Igniter**Name: **Dragon Egg Prime**Source: **Takeo Shimizu**

<i>Chemical Name:</i>	<i>Parts:</i>	<i>Weigh:</i>
Potassium Perchlorate	<b>70</b>	70
Magnalium, granular, -200 mesh	<b>20</b>	20
Red Gum	<b>10</b>	10
Tare: 0	Total: <b>100</b>	100

**NOTES:**

Solvent not specified, but you could use alcohol since red gum is a binder, or you could bind with an NC Laquer solution.

**Primes: Hot Igniter**Name: **Flash Core Igniter**Source: **Takeo Shimizu**

<i>Chemical Name:</i>	<i>Parts:</i>	<i>Weigh:</i>
Barium Nitrate	<b>34</b>	<input type="text" value="34"/>
Potassium Perchlorate	<b>33</b>	<input type="text" value="33"/>
Aluminum, flake, dark, German Blackhead. 3 micron	<b>10</b>	<input type="text" value="10"/>
Antimony Trisulfide, Chinese needle	<b>9</b>	<input type="text" value="9"/>
Red Gum	<b>8</b>	<input type="text" value="8"/>
Dextrin	<b>5</b>	<input type="text" value="5"/>
Boric Acid	<b>1</b>	<input type="text" value="1"/>
Tare: <input type="text" value="0"/>	Total: <b>100</b>	<input type="text" value="100"/>

**Primes: Hot Igniter**Name: **Hot Igniter Star Prime**Source: **Ned Gorski**

<i>Chemical Name:</i>	<i>Parts:</i>	<i>Weigh:</i>
Potassium Perchlorate	<b>71</b>	<input type="text" value="71"/>
Charcoal Airfloat	<b>14</b>	<input type="text" value="14"/>
Red Gum	<b>9</b>	<input type="text" value="9"/>
Magnalium, granular, -200 mesh	<b>6</b>	<input type="text" value="6"/>
Tare: <input type="text" value="0"/>	Total: <b>100</b>	<input type="text" value="100"/>

**NOTES:**

Must use alcohol as the solvent, as red gum is the binder. The alcohol/red gum binder system allows for fast drying times.

**Primes: Meal Prime**Name: **Standard**Source: **standard**

<i>Chemical Name:</i>	<i>Parts:</i>	<i>Weigh:</i>
Potassium Nitrate	<b>75</b>	71.43
Charcoal Airfloat	<b>15</b>	14.29
Sulfur	<b>10</b>	9.52
Dextrin	<b>5</b>	4.76
Tare: 0	Total: <b>105</b>	100

**NOTES:**

Ball mill all ingredients together for fast burning prime.

**Primes: Meal Prime**Name: **Ofca Special Prime**Source: **Bill Ofca**

<i>Chemical Name:</i>	<i>Parts:</i>	<i>Weigh:</i>
Potassium Nitrate	<b>54</b>	<input type="text" value="54"/>
Charcoal Airfloat	<b>32</b>	<input type="text" value="32"/>
Sulfur	<b>7</b>	<input type="text" value="7"/>
Dextrin	<b>7</b>	<input type="text" value="7"/>
Tare: <input type="text" value="0"/>	Total: <b>100</b>	<input type="text" value="100"/>

**NOTES:**

Used for hard breaks when stars have problems getting blown blind. Ofca states that this prime should be milled for 20 hours. Since mill times vary for different machines, interpret this as meaning as fine as you can get the powder.

**Primes: AP Star**Name: **Universal Prime**Source: **Joel Baechle**

<i>Chemical Name:</i>	<i>Parts:</i>	<i>Weigh:</i>
Potassium Perchlorate	<b>65</b>	63.73
Charcoal Airfloat	<b>30</b>	29.41
Potassium Benzoate	<b>2.5</b>	2.45
Stearic Acid (Stearine)	<b>2.5</b>	2.45
Dextrin	<b>1.8</b>	1.76
Guar Gum	<b>0.2</b>	0.20
Tare: <input type="text" value="0"/>	Total: <b>102</b>	<input type="text" value="100"/>

**NOTES:**

Prime contains no nitrate or sulfur so that it may be used on any type of star while having low sensitivity to impact and friction. Stearine is added to lower the sensitivity to friction.