NATIONWIDE CHILDREN'S
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Pharmacy

Drug Name	Route	Dosage Form	Concentration
Hydroxyurea	**Oral**	**Syrup**	**100mg/mL**

Formula Qty: **500mL**	**Shelf Life:** **90 days**

Equipment needed:
Magnetic stirring rod and plate, large beaker, graduated cylinder, filter paper, scale, gloves, mask, biological safety cabinet or vertical air flow hood

Auxiliary Labels/Storage: **Room Temperature**
Do not refrigerate; may form crystals under refrigeration.

Directions:

1. Transfer one 50gram bottle of hydroxyurea to a beaker.
2. Reconstitute hydroxyurea powder with small increments of sterile water for irrigation, mixing well until all powder is dissolve.
3. QS to final volume with simple syrup. Stir well.

Note: ****CONTACT PRECAUTIONS REQUIRED** Must be prepared in a biological safety cabinet with proper personal protective equipment**
This formulation may also be made using hydroxyurea capsules; however the solution must be stirred vigorously for several hours and then filtered to remove all excipients. Make in batches of 50 grams to avoid having to weigh out hydroxyurea powder.

Ingredients		QS	Quantity	Units
Hydroxyurea USP Powder	*Gallipot*		50	Grams
Sterile Water for Irrigation			250	mL
Simple Syrup NF		X	500	mL

Citations/References

1. Heeney MM, Whorton MR, Howard TA, Johnson CA, Ware RE. Chemical and Functional Analysis of Hydroxyurea Oral Solutions. J Pediatr Hematol Oncol. 2004; 26 (3): 179-184.

2. Nationwide Children's Hospital, St. Jude's Hospital, McGovern-Davison Children's Health Center Experience. Sept 2008.

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