

09/13/2024 04:22 PM / NP Item# GRPH-NP_751722 / page 1 of 2

| WINPAK | | | |
|---|---|----------------------|---------------------------|
| IT'S OUR NATURE TO PROTECT 500 Walnut Street Norwood NJ 0764 | D (D) 00/40/0004 | Proof Time: 04:22 PM | Prepared by: jeanb |
| NP Item#: GRPH-NP_751722 | Size: 8.937 x 9.875 (folded: 1 | 1.5 x 2) | Type size: 6 pt. |
| PO No.: | Item Iss./Rev. Date: Revised: | 09/2024 | Cust. Part No.: LB0056-00 |
| Customer: Granules Pharmaceutical | Private Label: Somerset Therapeutics | Description: POTASS | SIUM CHLORIDE |
| Bar code details: Type: CODE-128 Code: OS70069823 | | | |
| Notes: | | | |
| Approved Resubmit Signatur | ·e: | Da | ite: |

7.3 Nonsteroidal Anti-Inflammatory Drugs (NSAIDs)

NSAIDs may produce potassium retention by reducing renal synthesis of prostaglandin E and impairing the renin-angiotensin system. Closely monitor potassium in patients on concomitant NSAIDs.

8 USE IN SPECIFIC POPULATIONS

8.1 Pregnancy

There are no human data related to use of Potassium Chloride during pregnancy, and animal studies have not been conducted. Potassium supplementation that does not lead to hyperkalemia is not expected to cause fetal harm.

The background risk for major birth defects and miscarriage in the indicated population is unknown. All pregnancies have a background risk of birth defect, loss, or other adverse outcomes. In the U.S. general population, the estimated background risk of major birth defects and miscarriage in clinically recognized pregnancies is 2 to 4% and 15 to 20%, respectively.

8.2 Lactation

Risk Summary

The normal potassium ion content of human milk is about 13 mEq per liter. Since potassium from oral supplements such as Potassium Chloride becomes part of the body potassium pool, as long as body potassium is not excessive, the contribution of potassium chloride supplementation should have little or no effect on the level in human milk.

8.4 Pediatric Use

Clinical trial data from published literature have demonstrated the safety and effectiveness of potassium chloride in children with diarrhea and malnutrition from birth to 16 years.

8.5 Geriatric Use

Clinical studies of Potassium Chloride did not include sufficient numbers of subjects aged 65 and over to determine whether they respond differently from younger subjects. Other reported clinical experience has not identified differences in responses between the elderly and younger patients. In general, dose selection for an elderly patient should be cautious, usually starting at the low end of the dosing range, reflecting the greater frequency of decreased hepatic, renal, or cardiac function, and of concomitant disease or other drug therapy.

This drug is known to be substantially excreted by the kidney, and the risk of toxic reactions to this drug may be greater in patients with impaired renal function. Because elderly patients are more likely to have decreased renal function, care should be taken in dose selection, and it may be useful to monitor renal function.

8.6 Cirrhotics

Patients with cirrhosis should usually be started at the low end of the dosing range, and the serum potassium level should be monitored frequently. [see Clinical Pharmacology (12.3)].

8.7 Renal Impairment

Patients with renal impairment have reduced urinary excretion of potassium and are at substantially increased risk of hyperkalemia. Patients with impaired renal function, particularly if the patient is on ACE inhibitors, ARBs, or nonsteroidal anti-inflammatory drugs should usually be started at the low end of the dosing range because of the potential for development of hyperkalemia. The serum potassium level should be monitored frequently. Renal function should be assessed periodically.

10 OVERDOSAGE

10.1 Symptoms

The administration of oral potassium salts to persons with normal excretory mechanisms for potassium rarely causes serious hyperkalemia. However, if excretory mechanisms are impaired or if potassium is administered too rapidly potentially fatal hyperkalemia can result.

Hyperkalemia is usually asymptomatic and may be manifested only by an increased serum potassium concentration (6.5 to 8 mEq/L) and characteristic electrocardiographic changes (peaking of T-waves, loss of P-waves, depression of S-T segment, and prolongation of the QT-interval). Late manifestations include muscle paralysis and cardiovascular collapse from cardiac arrest (9 to 12 mEq/L).

10.2 Treatment

Treatment measures for hyperkalemia include the following:

- 1. Monitor closely for arrhythmias and electrolyte changes.
- Eliminate foods and medications containing potassium and of any agents with potassium-sparing properties such as potassium-sparing diuretics, ARBs, ACE inhibitors, NSAIDs, certain nutritional supplements and many others.
- Administer intravenous calcium gluconate if the patient is at no risk or low risk of developing digitalis toxicity.
 Administer intravenously 300 to 500 mL/hr of 10% dextrose solution containing 10 to 20 units of crystalline
- insulin per 1000 mL. Correct acidosis: if present, with intravenous sodium bicarbonate
- Use exchange resins, hemodialysis, or peritoneal dialysis.

In patients who have been stabilized on digitalis, too rapid a lowering of the serum potassium concentration can produce digitalis toxicity.

11 DESCRIPTION

Potassium Chloride is a white crystalline or colorless solid. It is soluble in water and slightly soluble in alcohol. Chemically, Potassium Chloride is K-Cl with a molecular mass of 74.55. Potassium chloride for oral solution, USP, is a light pink to orange powder with colored speckles. Each pouch contains 1.5 g of potassium chloride (KCI), USP, which is equivalent to potassium 20 mEq and chloride 20 mEq and the following inactive ingredients: citric acid anhydrous, colloidal silicon dioxide, FD&C Yellow #6, natural and artificial orange flavor, and sucralose.

12 CLINICAL PHARMACOLOGY

12.1 Mechanism of Action

The potassium ion (K^+) is the principal intracellular cation of most body tissues. Potassium ions participate in a number of essential physiological processes including the maintenance of intracellular tonicity; the transmission of nerve impulses; the contraction of cardiac, skeletal, and smooth muscle; and the maintenance of normal renal function.

The intracellular concentration of potassium is approximately 150 to 160 mEq per liter. The normal adult plasma concentration is 3.5 to 5 mEq per liter. An active ion transport system maintains this gradient across the plasma membrane.

Potassium is a normal dietary constituent, and under steady-state conditions the amount of potassium absorbed from the gastrointestinal tract is equal to the amount excreted in the urine. The usual dietary intake of potassium is 50 to 100 mEq per day.

12.3 Pharmacokinetics

Based on published literature, the rate of absorption and urinary excretion of potassium from KCI oral solution were higher during the first few hours after dosing relative to modified release KCI products. The bioavailability of potassium, as measured by the cumulative urinary excretion of K⁺ over a 24 hour post dose period, is similar for KCI solution and modified release products.

Specific Populations

Cirrhotics

Based on published literature, the baseline corrected serum concentrations of potassium measured over 3 h after administration in cirrhotic subjects who received an oral potassium load rose to approximately twice that of normal subjects who received the same load.

6 HOW SUPPLIED/STORAGE AND HANDLING

Potassium Chloride for Oral Solution, USP is a light pink to orange powder with colored speckles available in one strength as follows:

20 mEq

NDC# 70069-823-01 pouch. Each pouch contains 1.5 g of potassium chloride (KCl), USP, which is equivalent to potassium 20 mEq and chloride 20 mEq

NDC# 70069-823-30 carton of 30 pouches

NDC# 70069-823-10 carton of 100 pouches

Storage

Store at Controlled Room Temperature, 25°C (77°F); excursions are permitted to 15° to 30°C (59° to 86°F). [See USP Controlled Room Temperature]. Dispense in a tight, light-resistant container as defined in the USP PROTECT from LIGHT.

Rx only

Manufactured for: Somerset Therapeutics, LLC Somerset, NJ 08873

Manufactured by: Granules Pharmaceuticals Inc., Chantilly. VA 20151

Rev. 09/2024