

## **[POTASIUM ALCOHOLATES]**

### **[Potassium n - propylate (KNP) in n - Propanol (20%)]**

- a) 20 wt % Solution in n-Propanol.
- b) Density at 25°C - Approx. 0.88 gm/ml.

#### **1] [OTHER NAMES]**

- a) Potassium n-propoxide in n-Propanol (20%).
- b) KNP in n-Propanol (20%).

#### **2] [CAS NO]**

- a) 16872-93-8 for KNP.
- b) 71-23-8 for n-Propanol.

#### **3] [FORMULA WEIGHT]**

- a) 98.19 gm/mole.

#### **4] [TECHNICAL SPECIFICATION]**

- a) Appearance: Yellow liquid.
- b) Total alkalinity (%): 20 - 22.
- c) Hydroxide content (%): 1 max.
- d) KNP content (%): 19 - 21.

#### **5] [SOLUBILITY]**

- a) KNP is very soluble in n-propanol and some ethers.

#### **6] [STABILITY]**

- a) Atmospheric moisture and carbon dioxide reacts readily with KNP to produce potassium hydroxide and potassium carbonate. n-Propanol is liberated from these reactions. This solution becomes cloudy and develops colour. KNP solution should be stored in a cool place away from heat, sparks and flame.

#### **7] [PACKAGING]**

- a) Sample packing from 100 gms. to 500 gms in glass bottle.
- b) 170 kgs in 210 lit. Steel drum.
- c) Any other packing as per customer request.

#### **8] [SAMPLING INSTRUCTIONS]**

- a) The product is packed under dry nitrogen with positive pressure of nitrogen inside the drum.
- b) The quality of the product deteriorates very fast if exposed to atmosphere even for a brief period.
- c) While sampling, please ensure that the sample is taken out under dry nitrogen in a preweighed stoppered bottle and analysis is done immediately.
- d) After sampling, close the container securely after putting positive nitrogen pressure in the drum. This is very important so that the product does not deteriorate on storage.

#### **9] [SHIPPING INFORMATION]**

- a) UN-2920, PG 1
- b) Corrosive flammable liquid.

#### 10] [PRODUCT PROPERTIES]

- a] Very high purity.
- b] Strong base.
- c] Selective and specific in many organic reactions.
- d] Low hydroxide content.
- e] Custom packaging available.
- f] Any quantities in bulk.

#### 11] [PRODUCT BENEFITS]

- a] Used for formation of ethers.
- b] Moderately strong base for deprotonation and base catalysed reactions.