SUPARNA
ISO 9001 : 2015 Certified Company

POTASSIUM ALCOHOLATES

Potassium t Butylate (KTB) in TBA 15%

a. 15 wt% Solution in TBA
b. Density at 25°C Approx. 0.82 gm/ml

1. OTHER NAMES

a. Potassium-tert. - Butoxide in Tertiary Butanol 15%
b. Potassium-t-Butylate in Tertiary Butanol 15%

2. CAS NO.

a. 865-47-4 for KTB
b. 75-65-0 for Tertiary Butanol

3. FORMULA WEIGHT

112.21 gm/mole

4. TECHNICAL SPECIFICIATION

a. Appearance: White to Light Yellow to Yellow liquid
b. Total alkalinity (%): 15-17
c. Hydroxide content (%): 1 max
d. KTB content (%): 14-16

5. SOLUBILITY

KTB In TBA is very soluble in Tetra Hydro Furan, Alcohols and Pyridine. It is slightly soluble in hydrocarbons.

6. STABILITY

Atmospheric moisture and carbon dioxide reacts with KTB In TBA to produce potassium Hydroxide and potassium carbonate. Tertiary Butanol is liberated from these reactions. KTB 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. 160 kgs in 210 lit. steel drum
c. Any other packing as per customer request

SUPARNA CHEMICALS LTD
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export@suparnachemicals.co.in

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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. Very strong base
c. Low hydroxyl content
d. Selective and specific in many organic reactions
e. Stronger base than primary and secondary alcoholates
f. Custom packaging available
g. Any quantities in bulk

11. PRODUCT BENEFITS

a. Strong hydrocarbon soluble base
USED FOR:
b. Deprotonations
c. Base catalyzed reactions
d. Elimination reactions
e. Super base reaction with butyllithium

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