

## SODIUM ALCOHOLATES

### Sodium IsoPropylate (SIP) in Tetrahydrofuran (THF) 25%

Density at 25°C Approx 0.92 gm/ml

#### 1. OTHER NAMES

- a. Sodium Isopropoxide in Tetrahydrofuran 25%
- b. SIP in THF 25%

#### 2. CAS NO.

- a. 683-60-3 for SIP
- b. 109-99-9 for THF

#### 3. FORMULA WEIGHT

82.08 gm/mole

#### 4. TECHNICAL SPECIFICATION

- a. Appearance: Colorless to pale yellow liquid
- b. Total alkalinity (%): 25-27
- c. Hydroxide content (%): 1 max
- d. SIP content (%): 24-26

#### 5. SOLUBILITY

SIP is very soluble in tetrahydrofuran

#### 6. STABILITY

Atmospheric moisture and carbon dioxide reacts readily with SIP to produce Sodium hydroxide and Sodium carbonate. Isopropanol is liberated from these reactions. It develops yellow to brown color solution after reacting with water. SIP 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. 180kgs in 210 lit. steel drum
- c. Any other packing as per customer request

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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. Moderately strong base
- USED FOR:
- b. Deprotonations
  - c. Base catalyzed reactions
  - d. Super base application
  - e. PCB cleaning
  - f. Polymer applications

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