[SODIUM ALCOHOLATES]

Sodium t -Amylate (STA) (98 %)]

[OTHER NAMES]

a] Sodium - tert. pentoxide
b] Sodium - t - amylate.
c] Sodium - t - amoxide.
d] STA

[CAS NO]

a] 14593-46-5
[FORMULA WEIGHT]
a] 110.13 gm/mole.

[TECHNICAL SPECIFICIATION]

a] Appearance : White to light brown powder.
b] Total alkalinity (%) : 99 min.
c] Hydroxide content (%) : 1.5 max.
d] STA content(%) : 97 min.

[SOLUBILITY]

a] STA is very soluble in toluene, cyclohexane, hexane, diglyme and tetrahydrofuran. Solubility in some solvent at 25 C is listed below:

[SOLVENT]	SOLUBILITY IN WT %
THF	>30
Diglyme	47
Cyclohexane	>50
Hexane	>50
Toluene	46

[AVAILIABILITY IN SOLVENTS]

a] STA in THF (35%)
b] STA in Toluene (25%)
c] STA in Hexane (38%)

[STABILITY]

a] Atmospheric moisture and carbon dioxide reacts with STA to produce Sodium hydroxide and Sodium carbonate. Tertiary amyl alcohol is liberated from these reactions. It develops yellow to brown colour solution after reacting with water. STA solution should be stored in a cool place away from heat, sparks and flame.

[PACKAGING]

a] Sample packing from 100 gms. to 500 gms.
b] 1 kg. packing.
c] 5 kgs. packing.
d] 10 kgs. packing (2 x 5 kgs.)
e] 50 kgs. packing (5 x 10 kgs.)
f] Any other packing as per customer request.

[SAMPLING INSTRUCTIONS]

a] The product is packed uner 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, tie the bag securely with a thread, put positive nitrogen pressure in the drum and tighten it properly. This is very important so that the product does not deteriorate on storage.

[SHIPPING INFORMATION]

a] UN-3096, PG 1, Hazard class 8.
b] Corrosive solid, water reactive n.o.s.

[PRODUCT PROPERTIES]

a] Free flowing powder.
b] Very high purity.
c] Very strong base.
d] Low hydroxyl content.
e] Selective and specific in many orgainc reactions.
f] Stronger base than primary and secondary alcoholates.
g] Custom packaging avaliable.
h] Any quantities in bulk.

[PRODUCT BENEFITS]

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