



## Technical Data Sheet

### Tetramethyl ammonium chloride (TMAC 75-57-0)

N,N,N-Trimethylmethanaminium chloride



#### Product Description

- Quarternary ammonium salts, phase transfer catalysts
- Appearance crystal or powder, Moisture sensitive extremely hygroscopic.

#### Specification:

Items	Specification
APPEARANCE	white to cream-white crystal
ASSAY	min 99%
Free amine	max 0.07%
Residue on ignition	max 0.5%
Potassium	max 50 ppm
Sodium	max 10 ppm



## Usage

● A corrosion inhibitor for battery anodes, e.g., metals such as zinc, lead, and the like, in primary battery cells, comprises a quaternary ammonium salt, particularly, tetraalkyl ammonium chloride. More preferably Tetraheptyl ammonium chloride.

● Used in hybridization solutions of mixed oligonucleotides. In solutions with TMAC, the  $T_m$  (melting temperature) of a hybrid is dependent on its length, not its base composition.

TMAC,

● Used in probing PCR (polymerase chain reaction) products for the analysis of polymorphisms with allele-specific oligonucleotides.

## Packing and Storage

- should store at RT, Keep container dry, Keep in a cool place.
- Ground all equipment containing material. Keep container tightly closed. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents

Item	Packing	Quantity/FCL	N.W./FCL
50%	200kg/drum	80Drums	16.00MT
99%	25kg/bag	600bags	15.00MT

## Transport Information

**DOT Classification:** Class 6.1

**Identification:** UN 2811, Package group: III

**Special Provisions for Transport:** N/A.

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