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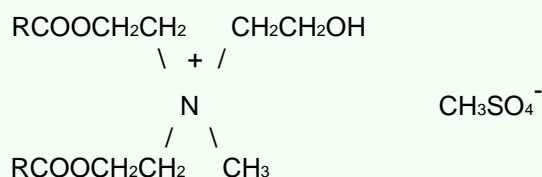
**APROVADO**

Dep. Qualidade

## TETRANYL® AT-7590

- Cationic surfactant for domestic softener
- Ecological and biodegradable product
- Anti-static, rewetting and softening effect
- Non-yellowing product
- Recommended for regular softener (5% a.m.)

### CHEMICAL IDENTIFICATION



RCOO<sup>-</sup> : partially hydrogenated tallow

INCI Name : Dihydrogenated Tallowylethyl Hydroxyethylmonium Methosulfate  
& Ditalowylethyl Hydroxyethylmonium Methosulfate

CAS Number : 91995 – 81 – 2

### TECHNICAL SPECIFICATION

		Kao Method
ODOUR :	Characteristic	KCSA-272
COLOUR (Gardner) :	3 max.	KCSA-222
pH (5% in water) :	2.0 - 3.0	KCSA-127
ACTIVE MATTER (meq/g) :	0.99 – 1.04	KCSA-178
VOLATILE MATTER (%) :	9 - 11	KCSA-283
ACID VALUE (mg KOH/g) :	12.1 max.	KCSA-125
TOTAL AMINE VALUE (mg KOH/g) :	6.5 max.	KCSA-129



## TETRANYL® AT-7590

### TYPICAL PROPERTIES

APPEARANCE (20°C) :	Solid paste
CONCENTRATION (%) :	90 approx.
ASH (%) :	< 0.1
MELTING POINT (°C) :	40 approx.
VOLATILE SOLVENT (%) :	Isopropyl alcohol
FLASH POINT (°C) :	25 - 35
CHARACTER :	Cationic

### APPLICATION PROPERTIES

- TETRANYL® AT-7590 is a cationic surfactant of the new generation of ester quats. These products have better biodegradability, lower toxicity and lower irritation than typical quaternary ammonium compounds.
- Due to its viscosity performance in the formula, it's advisable specially for regular softeners (5 to 6% active matter) which request a high viscosity. It can also be used in concentrated softeners.
- Main functions of TETRANYL® AT-7590 are anti-static and conditioning effects.

### STORAGE – HANDLING – SHELF LIFE

- TETRANYL® AT-7590 is chemically stable for a long period of time under appropriate storage conditions (temperature of 25°C and original unopened container).
- It is advisable to homogenize the product at 50°C before its use. A general advise is to use the complete container every time.
- The shelf life of TETRANYL® AT-7590 can be considered of 1 year minimum under proper storage conditions. After longer storage time some of its characterising parameters (odour, appearance, colour, pH...), should be checked before using it.
- For safety reasons, TETRANYL® AT-7590 must be stored in areas with good ventilation and conditioned for flammable products.
- For long storage periods it is advised to avoid temperature above 40°C.

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