



Kao Corporation, S.A.

Member of Kao Chemicals Europe

Puig dels Tudons, 10 -E-08210- Barberà del Vallès
Phone : +34-93-7399300 e-mail : marketing@kao.es
Fax : +34-93-7399377 Web : www.kaochemicals-eu.com



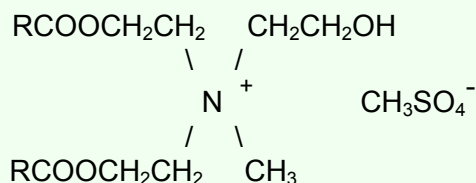
APROVADO

Dep. Qualidade

TETRANYL® L1/90S

- Cationic surfactant for domestic softener
- Ecological and biodegradable product
- Anti-static and softener effect
- Recommended for softener with “high” concentration (>15% a.m.)

CHEMICAL IDENTIFICATION



RCOO⁻ : partially hydrogenated tallow

Inci Name: Dihydrogenated Tallowylethyl Hydroxyethylmonium Methosulfate
&
Ditallowylethyl Hydroxyethylmonium Methosulfate

CAS Number: 91995 – 81 – 2

TECHNICAL SPECIFICATIONS

		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) :	1.07 – 1.13	KCSA-178
VOLATILE MATTER (%) :	9 – 11	KCSA-283
ACID VALUE (mg KOH/g) :	12.0 max.	KCSA-125
TOTAL AMINE VALUE (mg KOH/g) :	5.5 max.	KCSA-129

TETRANYL® L1/90S

TYPICAL PROPERTIES

APPEARANCE (20°C) :	Solid paste
APPROXIMATED CONCENTRATION (%) :	90 approx.
ASH (%) :	< 0.1
MELTING POINT (°C) :	33 approx.
VOLATIL SOLVENT (%) :	Isopropyl alcohol
FLASH POINT (°C) :	25 - 35
CHARACTER :	Cationic

APPLICATION PROPERTIES

- TETRANYL® L1/90S is a cationic surfactant of the new generation of esterquats. 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 especially for concentrated softeners (> 15% active matter), which request a low viscosity. It can also be used in regular softeners.
- Main functions of TETRANYL® L1/90S are anti-static and conditioning effects.

STORAGE – HANDLING – SHELF LIFE

- TETRANYL® L1/90S 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 advice is to use the complete container every time.
- The shelf life of TETRANYL® L1/90S 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® L1/90S 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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