



Kao Corporation, S.A

Member of Kao Chemicals Europe

Puig dels Tudons, 10 -E-08210 Barberà del Vallès

Phone : +34 93 739 93 00

E-mail : marketing@kao.es

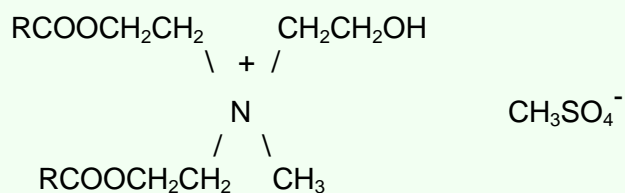
Fax : +34 93 739 93 77

Web : www.kaochemicals-eu.com

TETRANYL® L6/90

- Cationic surfactant for domestic fabric softeners
- Vegetable origin
- Ecological and biodegradable product
- Anti-static, rewetting and softening effect
- Non-yellowing product

CHEMICAL IDENTIFICATION



R = partially Hydrogenated Palm

INCI Name : Dihydrogenated palmoylethyl Hydroxyethylmonium Methosulfate
& Dipalmoylethyl Hydroxyethylmonium Methosulfate

CAS Number : 91995 – 81 – 2

TECHNICAL SPECIFICATIONS

		Kao Method
ACID VALUE (mg KOH/g) :	12.1 max.	KCSA-125
TOTAL AMINE VALUE (mg KOH/g) :	5.5 max.	KCSA-129
ACTIVE MATTER (meq /gr) :	1.09 - 1.14	KCSA-178
VOLATILE MATTER (%) :	9 - 11	KCSA-283
COLOUR (Gardner) :	3 max.	KCSA-222
pH (5% in water) :	2 - 3	KCSA-127
ODOUR :	Characteristic	KCSA-272



TETRANYL® L6/90

TYPICAL PROPERTIES

APPEARANCE (20°C) :	Solid paste
DENSITY (50°C, g/mL, "spot") :	0.968 approx.
SOLUBILITY :	Insoluble
VISCOSITY (50°C, cPs) :	800 max.
DROPPING POINT (°C) :	33 approx.
TYPE OF SOLVENT :	Isopropanol (≈ 10%)
CHARACTER :	Cationic

APPLICATION PROPERTIES

- TETRANYL® L6/90 is a cationic surfactant of the ester quats generation. These products have better biodegradability, lower toxicity and lower irritation than typical quaternary ammonium compounds.
- Due to its viscosity performance in the formula it is specially advised for concentrated softeners, even though it can also be used in regular type (5-6% a.m.).
- Main functions of TETRANYL® L6/90 are: to condition and to smooth due to its substantive properties.

STORAGE – HANDLING – SHELF LIFE

- TETRANYL® L6/90 is chemically stable for a long period of time under appropriate storage conditions (temperature of 25°C and original unopened container). A general advice is to use the complete container every time.
- The shelf life of TETRANYL® L6/90 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® L6/90 must be stored in areas with good ventilation and conditioned for flammable products.
- For long storage time it is recommended to avoid temperature above 40°C.

The information and recommendations in this publication are to the best of our knowledge reliable. However, nothing herein is to be construed as a warranty or representation. Users should make their own tests to determine the applicability of such information or the suitability of any products for their own particular purpose. Statements concerning the use of the products described herein are not to be construed as recommending the infringement of any patent and no liability for infringement arising out of any such use is assumed.

