



ALPACASA

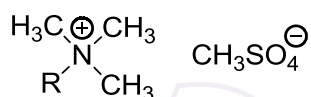
## Technical Data Sheet

## TETRANYL<sup>®</sup> DM-24

The corresponding product is also available in compliance to RSPO rules. In this case the product name is followed by the suffix "MB", which can be found in related order documents, e.g. invoices and/or delivery notes. All these documents also include our RSPO certification number: CU-RSPO SCC-819585

- Cationic surfactant
- Hydrotropic and anti-static properties
- Vegetable origin
- Biodegradable product

### CHEMICAL IDENTIFICATION



R = C<sub>12</sub>14

INCI Name: Quaternary Ammonium compounds, Alkyltrimethyl Methosulfate  
EU CAS Number: 96690-44-7  
US CAS Number: 68002-60-8

### TECHNICAL SPECIFICATION

COLOUR (Apha):	100 max.
pH (5% in water):	7.0 - 9.0
ACTIVE MATTER (%):	41.2 - 42.8
WATER CONTENT (%):	45.0 - 47.0
ACID VALUE (mg KOH/g):	2 max
TOTAL AMINE VALUE (mg KOH/g):	6 max.

#### Kao Method

KCSA-207  
KCSA-014  
KCSA-178  
KCSA-119  
KCSA-125  
KCSA-129



**TYPICAL PROPERTIES**

APPEARANCE (20°C):	Transparent liquid
DENSITY (20°C, g/mL, "spot"):	1.01 approx.
ODOUR:	Characteristic
WATER SOLUBILITY (20°C):	Soluble
DROPPING POINT (°C):	Around -8
SOLVENT TYPE:	Water and Propylenglycol
CHARACTER:	Cationic

**APPLICATION PROPERTIES**

- TETRANYL<sup>®</sup> DM-24 performs as hydrotropic agent in degreasing formulations, with the capability to solubilize electrolytes such as NTA, EDTA, TKPP, DETMP, TPPNa, Na<sub>2</sub>SiO<sub>3</sub>, etc.
- Due to its liquid appearance and easy handle, it is suitable to be used in water based degreasing formulations.
- TETRANYL<sup>□</sup> DM-24 is compatible with cationic, non-ionic and amphoteric surfactants, and therefore it can be mixed with them in different compositions. Due to its cationic character it is not compatible with soaps and anionic surfactants.
- TETRANYL<sup>□</sup> DM-24 enhances the degreasing properties of the DANOX<sup>□</sup> 511-B and DANOX<sup>□</sup> DB-1 products when combined in a 1 to 1 proportion (active matter)\*.

\* More information and test results available under request.

**STORAGE AND HANDLING**

- TETRANYL<sup>®</sup> DM-24 is chemically stable for a long period of time under appropriate storage conditions (temperature of 25°C and original unopened container).
- If stored for a long period of time, it is advisable to homogenize the product before use, especially if it has been subjected to low temperatures. Small changes in the appearance can be easily recovered by applying a moderate agitation at 30-40°C. A general recommendation is to use the full container every time.
- The shelf life of TETRANYL<sup>®</sup> DM-24 can be considered of 2 years minimum under proper storage conditions. After longer storage time some of its characterising parameters (odour, appearance, colour, pH...) should be checked before using it.

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.

