

# SABIC® TRIETHANOLAMINE TEA 99

## DESCRIPTION

TEA 99 is a clear viscous hygroscopic liquid at room temperature with a mild ammonical odor.

## TYPICAL PROPERTY VALUES

Revision 20210812

SPECIFICATIONS	TYPICAL VALUES	UNITS	TEST METHODS
<b>SPECIFICATIONS</b>			
<b>Appearance</b>			
@ 30 °C	Clear Liquid	-	SKIMS/QAD-SOP-168
<b>Ethanolamines</b>			
Monoethanolamine	≤0.1	%	SKIMS/QAD-SOP-293
Diethanolamine	≤0.5	%	SKIMS/QAD-SOP-293
Triethanolamine	≥99.0	%	SKIMS/QAD-SOP-293
<b>Color</b>			
-	≤50	APHA	ASTM D 1209
<b>Water</b>			
-	≤0.2	%	ASTM E203

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>PROPERTIES</b>			
<b>Specific Gravity</b>			
@ 20/20 °C	1.125	TBC	-
<b>Melting / Freezing Point</b>			
-	21	°C	-
<b>Boiling Point</b>			
-	360	°C	-
<b>Flash Point</b>			
Open Cup	190	°C	-

## APPLICATIONS

Cement and Concrete TEA 99 and its salts are added to cement clinkers to increase the efficiency of the grinding Mill by reducing the particle agglomerations. In concrete, SABIC TEA accelerates set time and increase early set strength.

Textile TEA 99 is used in the manufacturing of environmental friendly textile fabric softener formulations.

Oil Field TEA 99 is used in enhanced oil recovery. Crude oil/ water emulsion are demulsified by TEA 99.

Electroplating TEA 99 is used in electro deposition baths for Zinc.

Metal Working SABIC TEA derivatives obtained by the reaction of fatty acids are used as emulsifiable oils and, cutting fluids. SABIC TEA is an excellent chelating agent in basic solutions. This chelating ability makes SABIC TEA particularly useful in metal cleaning.

Coatings TEA 99 is used as accelerator for photo polymerization coatings.

Mining TEA 99 is used as a depressant in the floatation of copper & as an aid in the froth floatation of Nickel.

## KEYWORDS

Cement and Concrete

Textile

Oil Filled

Electroplating

Metal Working

Coatings

Mining

## TOXICITY AND SAFETY

Refer to SDS

## STORAGE AND HANDLING

Refer to SDS

## SHELF LIFE

TEA 99 can be stored up to 12 months from the date of manufacture in original, unopened, properly stored drums in good storing conditions. Beyond 12 months, SABIC recommends the quality of material to be conformed prior to use, by retesting the Certificate of Analysis Parameters. The corresponding time for the product in other packages is 9 months.

## DISCLAIMER

Any sale by SABIC, its subsidiaries and affiliates (each a "seller"), is made exclusively under seller's standard conditions of sale (available upon request) unless agreed otherwise in writing and signed on behalf of the seller. While the information contained herein is given in good faith, SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY AND NONINFRINGEMENT OF INTELLECTUAL PROPERTY, NOR ASSUMES ANY LIABILITY, DIRECT OR INDIRECT, WITH RESPECT TO THE PERFORMANCE, SUITABILITY OR FITNESS FOR INTENDED USE OR PURPOSE OF THESE PRODUCTS IN ANY APPLICATION. Each customer must determine the suitability of seller materials for the customer's particular use through appropriate testing and analysis. No statement by seller concerning a possible use of any product, service or design is intended, or should be construed, to grant any license under any patent or other intellectual property right.