



TEXIPOL[®] 63-510

Anionic inverse emulsion thickener

INTRODUCTION

TEXIPOL 63-510 is an inverse emulsion thickener which imparts a short flow to a wide variety of aqueous and non-aqueous compositions and is effective over a pH range of 1-14. TEXIPOL 63-510 is supplied as an easy to use, low viscosity liquid which gives an almost instantaneous thickening effect on direct mixing into the composition. The polymer in TEXIPOL 63-510 is already in solution (as the sodium salt) and therefore does not require any other additives to promote thickening e.g. alkali, surfactant etc.

CHARACTERISTICS (Not to be taken as a specification)

Appearance		creamy liquid
Specific gravity at 25°C		1.05
Inverse emulsion viscosity*	mPa s	5,000
Thickened deionised water**	mPa s	100,000
Flow of thickened compositions		short
Polymer charge		anionic
Polymer compatibility		anionic/non-ionic
Flash point	°C	100

* Brookfield RVT, Spindle 3, 20 rpm at 25°C.

** Deionised water thickened with 4% of TEXIPOL 63-510 as supplied.
Brookfield RVT, Spindle 6, 5 rpm at 25°C.

TEXIPOL 63-510 is made from APEO free surfactants.

APPLICATIONS

For most of the applications maximum thickening is achieved within a few minutes but in highly acidic or alkaline formulations maximum thickening might require slightly longer times. Times for optimum thickening can be stabilised by monitoring viscosity development against time.

TEXIPOL 63-510 is effective for thickening aqueous based systems over a wide pH range.

Suggested applications include industrial cleaners, detergents, household products, metal cleaners and various textile coating and adhesive formulations. TEXIPOL 63-510 may also be used to thicken certain non aqueous systems such as simple alcohols and glycols as well as aqueous blends with N-methyl pyrrolidone and other solvents. A good starting point is to add 4% of TEXIPOL 63-510, as received, directly to the composition to be thickened and then homogenise the mix thoroughly. If the resultant mix is too thin add more of TEXIPOL 63-510 and homogenise, and, if it is too viscous, add more of the unthickened composition and homogenise.

Information on the effect of pH upon solution viscosity and the thickening of a number of common alkali and acids is available from our Technical Service department.

PACKAGING

TEXIPOL 63-510 is available in polyethylene open topped kegs and lacquer-lined open-topped drums.

STORAGE

TEXIPOL 63-510 should be stored at temperatures between 5 - 30°C. If the product freezes, thaw completely, by placing the container in a warm water bath and homogenise completely before use. TEXIPOL 63-510 can be stored in glass, stainless steel, plastic or epoxy-lined vessels. TEXIPOL 63-510 should not be stored in mild steel, copper or aluminium containers.

HEALTH & SAFETY

Please see separate Material Safety Data Sheet.

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