

### INTRODUCTION

PC-3144 defoamer is a 40 % solution of a modified acrylic polymer in a hydrocarbon solvent. It was developed to improve the defoamer stability performance for formulated synthetic and mineral based lubricants. It is especially recommended for PAO and PIB based synthetic lubricants, as well as the formulations containing these components, where conventional polyacrylate based defoamers do not work or do not work well.

### TYPE

modified acrylic polymer

### FORM OF DELIVERY (F.O.D.)

40% solids in hydrocarbon solvent

### AVAILABLE REGIONS

Asia-Pacific, Europe/Africa, North America, South America

### PHYSICAL PROPERTIES AND USEFUL INFORMATION

#### Determined per batch:

#### Colour / Appearance VLN 250

colour		colourless to slightly yellow
appearance		clear

#### Dynamic Viscosity DIN EN ISO 3219

dynamic viscosity	[mPa.s]	10 - 80
(100 1/s; 23 °C)		

#### Refractive Index DIN 53491

refractive index		1,4380 - 1,4420
(25 °C)		

#### Non-Volatile Matter DIN EN ISO 3251

non-volatile matter	[%]	38,0 - 42,0
(2 h; 105 °C; 0,5 - 0,6 g)		

#### Colour Scale (Hazen) DIN EN ISO 6271-1

Hazen colour value		< 150
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#### Not continually determined:

#### Density (Liquids) DIN EN ISO 2811-2

density	[g/cm <sup>3</sup> ]	0,85
approx. (20 °C)		

#### Flash Point (Pensky-Martens) DIN EN ISO 2719

flash point	[°C]	>= 70
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### PERFORMANCE HIGHLIGHTS

- Improves defoamer stability performance

### SUGGESTED USES

- Formulated synthetic and mineral based lubricants
- Especially recommended for PAO and PIB based synthetic lubricants

### TYPICAL USE LEVELS

Typical use levels of the defoamer solutions range from 100 - 500 ppm (40 - 200 ppm active polymer). The optimum level is dependent upon the nature of the oil, and it is therefore necessary to run a concentration profile on each oil.

### SHELF LIFE

At temperatures up to 35 °C storage stability packed in original containers amounts to at least 1460 days.