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# Synative® ES 2813

## Chemical composition

Di-isotridecyl adipate

## Properties

### Appearance

Clear, colorless to slight yellowish liquid

### Technical Data

Characteristic (Method)	Unit	Typical
Viscosity at 40 °C (ASTM D445)	mm <sup>2</sup> /s	23,4
Viscosity at 100 °C (ASTM D445)	mm <sup>2</sup> /s	5,1
Viscosity Index (ASTM D 2270)		150
Density at 20 °C (ASTM D 4052)	g/cm <sup>3</sup>	0,907
Acid Value (ASTM D 974)	mgKOH/g	≤0.1
Hydroxyl value (AOCS Cd 13-60)	mgKOH/g	≤4
Pour Point (ASTM D97)	°C	≤-60
Flash Point COC (ASTM D 92)	°C	247
Iodine value (DGF C - V 11 B)	gI <sub>2</sub> /100g	≤1
Water content (ASTM D 4928)	ppm	<0,1 %

### Quality control

The above-listed data represent average values at the time of going to press of this Technical Information. They are intended as a guide to facilitate handling and cannot be regarded as specified data. Specified product data are issued as a separate product specification.

### Applications

Synative ES 2813 offers exceptional high temperature stability as well as good low temperature properties and hydrolytic stability.

Synative ES 2813 can be used as a synthetic basestock for both automotive applications (such as engine oils, transmission oils, axle oils and greases) and industrial applications (e. g. hydraulic oil or neat oils).

## Storage

### Shelf Life

Provided it is stored at ambient storage conditions and the drums are kept tightly sealed, Synative ES 2813 has a shelf life of at least two years in its original packaging.

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## Safety

When using this product, the information and advice given in our **Safety Data Sheet** should be observed. Due attention should also be given to the **precautions** necessary for handling chemicals.

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## Note

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.

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