

Synative® ES 3200

February 2022 | [Data Sheet Industrial Lubricant](#) | Replaced version January 2020

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® = registered trademark of BASF SE

Chemical composition Polyol complex ester

Appearance Clear liquid

Physical data	Characteristic (Method)	Unit	Synative ES 3200
	Viscosity at 40 °C (ASTM D445)	mm ² /s	218
	Viscosity at 100 °C (ASTM D445)	mm ² /s	25,0
	Viscosity index (ASTM D2270)	mgKOH/g	147
	Acid value (ASTM D 974)	mgKOH/g	≤ 0,5
	Water (ASTM D6304)	w%	≤ 0.1
	Hydroxyl value (AOCS Cd 13 – 60)	mgKOH/g	≤ 10
	Pour point (ISO 3016)	°C	- 21

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 3200 is a high viscosity synthetic lubricant basestock.

Synative® ES 3200 is a saturated ester and therefore exhibits excellent thermo-oxidative stability.

Synative® ES 3200 exhibits excellent lubricity, good hydrolytic stability and good low temperature properties.

Potential use in industrial applications such as hydraulic fluids, compressor and gear lubricants, but also in greases and metalworking fluids.

Synative® ES 3200 highly biodegradable (> 60 % according to OECD 301B) and has a renewable content of > 50 %. Therefore, it is suitable for the formulation of environmentally friendly lubricants.

Storage**Shelf life**

Provided it is stored at ambient storage conditions and the drums are kept tightly sealed, Synative ES 3200 has a shelf life of at least two years in its original packaging.

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.

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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