

# DeoAdd MRD 18

## EP-Additive

### Description

DeoAdd MRD 18 based on natural esters with high content of saturated fatty acids. A combination of polar active sulfur and inactive sulfur provides the oil with high load carrying properties.

Active sulfur: 5 %.

DeoAdd MRD 18 is free from Chlorine, heavy metals (Zinc).

### Application

DeoAdd MRD 18 is a high performance product for metalworking products. It is used for all medium alloyed steels. It can also be used as an MQL product.

### Recommendations for use

The concentration of DeoAdd MRD 18 should be between 5% and 90 %. Avoid permanent storage temperatures over 50°C.

### Typical Physical Properties

<b>Colour</b>	dark amber	
<b>Sulfur [%]</b>	17,0 - 19,0	ASTM D 6481
<b>Density @ 20°C [kg/m<sup>3</sup>]</b>	1000 - 1040	ASTM D 7042
<b>Kinematic Viscosity @ 40°C [mm<sup>2</sup>/s]</b>	240- 280	ASTM D 7042
<b>Flash point COC [°C]</b>	>190	ASTM D 92
<b>Copper Corrosion*</b> [*10 % in paraff. oil]	4	ASTM D 130

### Benefits

- Sustainable, based on renewable raw materials
- Best performance for a variety of formulations due to selected raw materials
- Reduced cost : higher production rates due to strong lubricity
- Perfect combination with DeoAdd M types
- Improvement of AW- performance
- EP- Performance Additive

### Associated products

For optimal results, we recommend the DeoLube portfolio from EP / AW additives to corrosion protection packages. For more information, please contact our Customer Service Center.

### Health, Safety and Handling

Please consult the Safety Data Sheet ( SDS) for information on storage, safe handling and disposal. The conditions or methods of handling, storage, use and disposal of the product are beyond our reasonable control – we assume no liability for any ineffectiveness of the product or any injury or damage, arising out of or in connection with these conditions.

### Health and Safety

Safety data sheets are available in accordance with Regulations (EG) Nr. 1907/2006 Annex II and ( EC) No. 1272/2008 .

Version: 12/2022