

# DeoAdd 1411

## EP-Additiv



### Description

DeoAdd 1411 is a mixed on natural esters with high content of saturated fatty acids, and animal esters. A combination of polar activ sulfur and inactiv sulfur provides the product with high load carrying properties.

Share of activ sulfur: 1 %

DeoAdd 1411 is free from chlorine and heavy metals (Zinc).

### Application

DeoAdd 1411 is a high performance product for metalworking products. It is used for all medium alloyed steels and on nonferrous and light metals.

### Recommended for use

The concentration of DeoAdd 1411 should be between 5% and 30 %. Avoid permanent storage temperatures over 50°C.

### Typical physical properties

Colour	Dark amber	
Sulfur [%]	10 - 12	ASTM D 6481
Density @ 20°C [kg/m³]	990 - 1010	ASTM D 7042
Kinematic Viscosity @ 40°C [mm²/s]	800 - 1400	ASTM D 7042
Flash point COC [°C]	>200	ASTM D 92
Copper Corrosion* [*10 % in paraff. oil]	1b	ASTM D 130

### Benefits

- Sustainable, based on renewable raw materials
- Best performance for a variety of formulations due to selected raw materials
- Reduced costs: higher production rates due to strong lubricity
- Very high aging stability
- Especially suitable for ZnDTP

### 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.

### Occupational safety

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

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