

## DEUREX® EO 4501 W

### TECHNICAL INFORMATION

**Chemical description:** Water-borne emulsion of polar oxidized HDPE **DEUREX® EO 45**

**Applications:**

- Water-based paints, coatings and printing inks
- Water-based lubricant and release agent
- Finishing auxiliaries for textiles, paper and leather
- Care products (polishes)
- Hotmelts

**Properties:**

- Increased slip and scratch resistance
- Outstanding abrasion resistance
- Increase of surface gloss and surface smoothness
- Very good blocking resistance and water repellency
- Reduced coefficient of friction
- Anti-caking additive for thermoplastics
- High hardness

**Processing:**

- Stir well before usage
- Consume quickly after opening

**Storage, shelf life:**

- Store at temperatures between +5 °C and +28 °C
- Shelf life 6 month in closed original container,
- Avoid frost

**Technical data:**

Colour: Ligth yellow opaque  
Form of delivery: Liquid  
IBC 1,000 kg, Drum 200 kg, Canister 10 kg

	Minimum	Maximum	
Drop point (solid):	125 °C	135 °C	LV 12 (DGF M-III 3)
Particle size:		98 % < 1 µm	LV 5 (DIN ISO 13320)
Solid content*:	34 %	36 %	
Emulsifier system:	non-ionic		
pH-value*:	7.0	9.0	

\* part of certificate of analysis

**Approvals:** DEUREX® EO 4501 W is approved for use in the production of consumer good used for food contact.  
EU: Regulation (EU) 10/2011 dated 14. January 2011  
Approvals with regard to limitations and migration values in the end use application

**Alternative delivery form:** **DEUREX® EO 45 K** – Fine granules  
**DEUREX® EO 45 A** – Finest powder, 98% < 150 µm  
**DEUREX® EO 4520 M** – Micronized powder, 98% < 20 µm

This data sheet is based on our current knowledge and experience. In view of the individual factors that may affect processing and application, this data does not relieve users from the responsibility of carrying out their own tests and experiments, neither do they imply any legally binding assurance of certain properties. Existing industrial/commercial protective laws have to be considered by the recipient. Updated versions of the data sheet replace all formerly existing versions.  
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