

# DEUTERON OG 8670, 8672, 8674

Surface additive / finest grinding  
of polymethyl urea resin (PMH)

## / Chemical Description

Urea polycondensation resin / Water

## / Physical Data

Appearance	
OG 8670	white liquid
OG 8672	white viscous liquid
OG 8674	white paste
Specific Weight	approx. 1,1 g/cm <sup>3</sup>
Solid content	approx. 22 %
Solvent	Water
Flash Point	does not apply



	Particle sizes (approx.)	
	d50	d99
OG 8670	3,5 µm	12,5 µm
OG 8672	2,8 µm	8,0 µm
OG 8674	<2,0 µm	<5,0 µm

## / Properties

Deuteron OG 867x is based on polymethyl urea resin as an effective substance. The resin shows excellent hardness and abrasion resistance. It is resistant to most customary solvents and shows a good resistance to temperatures of up to 200 °C. When used as an additive in solvent-based paint systems, Deuteron OG 867x improves properties regarding slip and static friction and provides increased mechanical resistance. Compared with wax-based additives Deuteron OG 867x does not spoil the recoatability. The small particle size also allows for its use in coating systems which are applied in low film thickness. Deuteron OG 867x can reduce the gloss when used as a surface additive. This can be desired for certain applications. The gloss reduction is dependant on the type of employed binder, the applied film thickness and the selected dosage.

## / Application

Deuteron OG 867x is designed for use in aqueous lacquers and in coatings which are applied in low film thickness. Due to the good weather resistance and color fastness of the used polymer the product can also be used in coating systems for exterior applications. This additive is the alternative to wax-dispersions with their well-known typical side-effects.

## / Dosage

The optimal dosage depends on the employed binder and the required surfaceproperties. The exact dosage should be determined by own trials. Initially an addition of 1,5 % or more is appropriate. The tendency to reduce the gloss has to be taken into consideration for each individual case.

## / Processing

Deuteron OG 867x should be incorporated homogeneously into the aqueous lacquer by stirrer or dissolver.

## / Storage conditions

Deuteron OG 867x can be stored in its original tightly closed containers for at least 24 months at room temperature. Phase separation can occur during longer storing periods; stirring the product will remedy this.

## / Package Sizes

Plastic-can (25 kg net)  
Plastic-drum (200 kg net)

## / Safety Regulations

According to Regulation (EC) No. 1272/2008 Deuteron OG 867x is not classified as a dangerous product and therefore does not need to be labeled.

### **/ Deuteron: First-class products for the coatings industry**

Deuteron GmbH has 30 years of experience in the production and sales of additives including: matting agents, conductivity agents and UV initiators. In the course of our company's 30-year history, we have become an important partner for the paint, lacquer and coatings industry – we operate nationally and internationally and are represented all over the globe. We serve you with

the dependability and close business relationship that only an owner-operated, medium-sized company can offer – and we also have the expertise of a global provider. Get in touch with us! We are happy to be of assistance and to help find individual solutions for your needs.



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You can find detailed information on all our products at [www.deuteron.com](http://www.deuteron.com). Matting and texturing agents, surface additives, UV initiators and much, much more: We supply first-class

products and look back on more than 30 years of experience as an important partner for the coatings industry.

### **/ Surface Additives from our portfolio**

Deuteron OG 861, 8612, 8614	Deuteron OG 8803, 8805, 8807	Deuteron WS
Deuteron OG 863, 8632, 8634	Deuteron OG 8810, 8812, 8814	
Deuteron OG 8650, 8652, 8654	Deuteron OG 8820, 8822, 8824	
Deuteron OG 8670, 8672, 8674	Deuteron SF 707	

This leaflet intends to give technical advice without warranty and does not claim to be complete.