

## Amgard® CU

### Phosphorus Flame Retardants

#### Description

Amgard® CU is an organic phosphonate that combines good flame retardant characteristics with durability in polyester fabrics.

#### Chemical Composition

Cyclic phosphonate ester

#### Appearance

Clear viscous liquid

#### Solubility

Amgard® CU is soluble in water and in polar solvents.

#### Technical data\*

Property	Nominal Value	Unit
Phosphorus content	> 20,5	%
Acid value	< 2,0	mg KOH/g
Colour	< 150	APHA
DMMP content	< 0,0999	%
Density at 20°C	1,26 - 1,30	g/cm <sup>3</sup>
Viscosity at 25°C	approx. 230.000	mPa·s
pH value of 10% solution	2,0 - 3,0	
Refractive index nD at 20°C	1.4740 - 1.4800	

\*The analytical data are guide values.



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#### Application

Amgard® CU is used as a flame retardant in polyester fabrics especially for durable flame retardancy. It can also be used as flame retardant in PU foams and coatings.

#### Packaging

Totes and drums

#### Storage conditions

If stored correctly and kept in the original sealed container, the product has a shelf life of at least 2 years. The product is hygroscopic.

#### Handling

Consult the safety data sheet for relevant safety data & references as well as possibly necessary warning labels.

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North America  
+1.833.LANXESS  
customer.care@lanxess.com

Europe, Middle East & Africa  
+44.161.875.3800  
emea.export@lanxess.com

South & Central America  
+55.19.3522.5083  
atendimento.cliente@lanxess.com

Asia Pacific  
+86.21.6109.6666  
Orders.apac@lanxess.com

