

NOBLAZE

THPC – Urea

四羟甲基氯化磷脲缩体

GENERAL

Chemical Name	Tetrakis (hydroxymethyl) phosphonium chloride urea precondensate
Chemical Structure	$[(\text{CH}_2\text{OH})_4\text{P}] \text{Cl} \cdot \text{CH}_2\text{N}_4$
Appearance	Colourless to light yellow clear liquid
CAS No.	27104-30-9

DESCRIPTION

THPC-Urea is used as a flame retardant for textiles and wool.

SPECIFICATIONS

<u>Properties</u>	<u>Typical Value</u>
Active Content (as phosphorus), %	10 Min
PH	4.0 – 5.5
Density, g/cm ³ at 25 °C	1.35 – 1.42
Colour (APHA)	100 Max

Our *THPC-Urea* is available in 60 - 65 % solution.

APPLICATION

THPC-Urea is a highly effective flame retardant for cotton fabric. For cotton fabric treatment, *THPC-Urea* can be diluted with water to the desired concentration. The optimal chemical dosage is 50% for 10,000 meter of and its usage procedures as the following:

PROCEDURES

1. Rinse and complete wetted the wool with water.
2. Prepare a tank of fresh water and add 50% of THPC-Urea based on weight of water.

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3. After that add in nonionic penetrate chemicals, polyethylene oxide ether compounds and organosilicon softener.
4. Soak the wool into the mixture for 10-15 minutes.
5. Later proceed to ammonia steam process for 10-15 minutes and this process is to ensure that the flame-retardant bind tightly with the wool.(Ammonia: Water :10:60).
6. Last step wash the wool with detergent and rinse it with hot water at temperature 90-95°C, to get rid of residual of ammonia.

PACKING

250kg per UN approved PE drum

TRANSPORT INFORMATION

NA

The above information is, to the best of our knowledge, true and accurate, but any recommendations or suggestions which may be made are without guarantee, since the conditions of use are beyond our control.

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