



LIBERTY CHEMICALS

# ASTROBIO™ PA

## Biosolvents Based Blend as a Replacement of Propylene Glycol Methyl Ether Acetate ( PMA )

- ✓ Reliable alternative to oil-derived, conventional solvents
- ✓ Meets growing enquiries for employees and environment protection
- ✓ Glycol - Free
- ✓ Strong solvency power towards several resins and polymers grades
- ✓ 20% to 30% more efficient than conventional oil-based solvents
- ✓ In some cases it's able to strongly reduce formulations viscosity
- ✓ Cost effectiveness ( price – technical advantages ratio )
- ✓ Sustainable chemistry : Renewable Raw Materials

## Specifications

Item	Unit	Specification
Appearance		Clear liquid
Colour	APHA, Max	20
Specific Gravity at 20°C	gr/ml	0,92 – 0,96
Purity	% in weight, min.	99.5
Moisture	% in weight, max.	0.20

## Physical Properties

Item	
Boiling range	108-172° C
Flash point	40° C
Rel.evaporation rate ( BuOAc = 1 )	0,35
Vapour pressure, mm Hg, @20°C	5
Viscosity, cps @ 20° C	1,5

This product has to be subjected from any professional user to careful tests, in order to evaluate his effectiveness for expected applications.

Our company waives any responsibility in case of any improper usage of this product.

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ASTROBIO™ is a trade mark of Liberty Chemicals srl, Italy

**LIBERTY CHEMICALS s.r.l.**

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