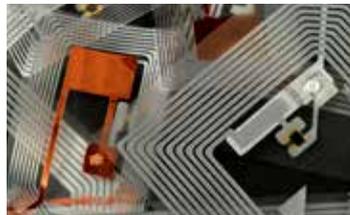


Eastman TamiSolve™ NxG dipolar aprotic solvent is a next-generation, high-performing solvent with established performance in a wide range of ink applications.

An effective NMP replacement for the ink industry

- Causes little or no change to ink properties
- Favorable safety, health, and environmental profile



Ink applications

Overprint varnishes

TamiSolve NxG can be employed in both solvent and water-based OPVs as a coalescing solvent or drying speed modifier.

Printed electronics

TamiSolve NxG is an effective solvent in the formulation of metal-based conductive inks used for the printing of electronic circuitry. Potential applications include inks for RFID antennas, membrane switches, printed LED strings, and arrays.

Ink formulations

TamiSolve NxG shows excellent performance as a cosolvent in some widely used ink chemistries. The lower volatility of TamiSolve NxG is beneficial for reduced worker exposure.

Packaging inks

TamiSolve NxG is an effective way to lower the surface tension of water-based flexographic and gravure printing inks. Some of the benefits include superb ink wetting of nonporous substrates and optimal ink adhesion.

Digital inks

TamiSolve NxG is an exceptional cosolvent for inkjet inks, offering improved viscosity reduction, lower odor, and increased environmental benefits.

TamiSolve NxG is safer and easier to handle.

Property	Value
Molecular formula	Proprietary
CAS No.	Proprietary
EINECS No.	Proprietary
Molecular weight	Proprietary
Boiling point	241°C
Freezing point	< -75°C
Density, 25°C	960 kg/m ³
Vapor pressure, 20°C	35 Pa
Water solubility	Fully miscible
Flash point (closed cup)	108°C
Surface tension, 1% aqueous solution	67.31 mN/m (= dyn/cm)
Refractive index	1.4675
Viscosity, 25°C	4 mPa·s (= cP)
Heat of combustion	35,580 kJ/kg
pH, 10% solution in water	7.65
Autoignition temperature	212°C
Specific heat at 20°C	1.98 J/g·K
Thermal conductivity, 25°C	121 mW/(m·K)
Flammability limits in air: > Lower > Upper	0.9 vol% 8.7 vol%
Evaporation rate (ref: butyl acetate-DIN 53170)	96
Odor	Neutral



TamiSolve NxG packaging

Bulk	20–25 metric tons
PE drums	200 kg net
IBC containers	970 kg net

TamiSolve NxG specifications

Property	Specification	Test method
Appearance	Clear liquid	Visual
Purity	≥ 99.5%	GC
Color	≤ 50 APHA	Colorimetry
Water	≤ 0.1%	KF titration

Contact

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