

Eastman TamiSolve™ NxG dipolar aprotic solvent is a next-generation, high-performing solvent. This versatile innovation can help secure your business's long-term potential and lead your market towards a more sustainable future.

## Key benefits

- Excellent performance in various applications
- Excellent NMP and NEP replacement
- Favorable safety, health, and environmental profile



## Recommended applications

### Specialty polymer coatings

TamiSolve NxG can be employed in several polymer coatings applications, such as wire enamels and coated cooking gear. It is typically used as a replacement for NMP or NEP.



### Microelectronics manufacturing

TamiSolve NxG is regarded as an interesting alternative for use as a photoresist stripper in the manufacturing of microelectronic components such as integrated circuits.

### Coatings and inks

TamiSolve NxG shows excellent performance as a cosolvent in some widely used coatings formulations. In waterborne PUD technology, it acts as a cosolvent and enhances coalescence.



### Chemical synthesis

TamiSolve NxG can be considered for use as a medium for carrying out various chemical reactions, e.g., in the production of pharmaceuticals. In such applications, it can be a replacement for solvents like NMP, NEP, DMF, and DMAc.



### Cleaners and paint strippers

When employed in cleaners and paint strippers, TamiSolve NxG has demonstrated to be an effective NMP replacement. The high solvency power can enhance performance of industrial cleaning formulations. TamiSolve NxG can be used for cleaning molds or tools related to polyurethane foam, polymer, polyester, or epoxy resins. The lower volatility of TamiSolve NxG is beneficial for reduced worker and environmental exposure.



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 <sup>3</sup>
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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