



AstroBio™ NS

Biosolvents Based Blend as a Replacement of N-Methyl-Pyrrolidone (NMP) and N-Ethyl-Pyrrolidone (NEP)

- **Reliable alternative to oil-derived, conventional solvents**
- **Meets growing demands for employees and environment protection**
- **Strong solvency power towards several resins and polymers grades**
- **20 % to 30% more efficient than conventional oil-based solvents**
- **Outstanding flowdown performances**
- **Cost effectiveness (price – technical advantages ratio)**
- **100% biodegradable, producing just CO₂ and water**
- **Sustainable Chemistry : Renewable Raw Materials**
- **No hazardous ingredients, for employees, and-users and environment**

Specifications

| Item | Unit | Specification |
|--------------------------|-------------------|---------------|
| Appearance | | Clear liquid |
| Colour | APHA, Max | 30 |
| Specific Gravity at 20°C | gr/ml | 1,070 - 1,090 |
| Purity | % in weight, min. | 99.5 |
| Moisture | % in weight, max. | 0.20 |

Physical Properties

| Item | |
|-------------------------------------|--------------|
| Boiling range | 151 - 240 °C |
| Flash Point | 81° C |
| Rel. evaporation rate (BuOAc = 1) | 0,05 |
| Vapour pressure, mm Hg, @20°C | 1.0 |
| Viscosity cps @ 20° C | 2,0 |

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

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

LIBERTY CHEMICALS s.r.l.

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