



Datasheet - Last update: 2025-02-27

# iBiotec®

## NEUTRALÈNE® INFINITY

Replaces NMP

CAS 872-50-4

Synonyms N.Méthyl.2.Pyrrolidone  
M Pyrol  
1-Méthylazaccyclopentan-2-One

### NEUTRALENE INFINITY CLEANING SOLVENT PE AND PU RESINS, EPOXIES, BIS-GMA

NOT CLASSIFIED FLAMMABLE

STRONG DECANTING POWER  
Recoverable Reusable

RECYCLABLE BY DISTILLATION

LOW STEAM PRESSURE  
Reduces consumption

#### DESCRIPTION

**INFINITY** was developed as part of the removal of CMR solvents. It is also part of the plan to reduce warning diagrams for improved health, environmental and fire safety. Low odour, low evaporation loss, high dissolving power of polymers, co-polymers and composites.

#### FIELDS OF USE

**INFINITY** is a solvent, dissolvent, powerful stripping agent for varnishes, solvent-base paints.

It is an excellent cleaning agent for dissolving and descaling residues in combustion engines.

**INFINITY** instantly dilutes fresh foamed polyurethane foams. It also eliminates polymerised PU foams, flexible or rigid, by

simple contact, then wiping, or with water under high pressure.

## TYPICAL PHYSICO-CHEMICAL CHARACTERISTICS

| CHARACTERISTICS               | STANDARDS       | VALUES     | UNITS                 |
|-------------------------------|-----------------|------------|-----------------------|
| Aspect                        | Visual          | Fluid      | -                     |
| Colour                        | Visual          | Colourless | -                     |
| Odour                         | Olfactory       | Odourless  | -                     |
| Density at 25°C               | NF EN ISO 12185 | 1110       | kg/m <sup>3</sup>     |
| Refractive index              | ISO 5661        | 1.4300     | -                     |
| Freezing point                | ISO 3016        | -40        | °C                    |
| Distillation range            | ISO 3405        | 190-230    | °C                    |
| Vacuum distillation Set point | -               | 190        | °C                    |
| Solubility in water           | -               | Partial    | %                     |
| Kinematic viscosity at 40°C   | NF EN 3104      | 1.5        | mm <sup>2</sup> /s    |
| Acid number                   | EN 14104        | 0          | mg(KOH)/g             |
| Iodine index                  | NF EN 14111     | 0          | gI <sub>2</sub> /100g |
| Water content                 | NF ISO 6296     | <0.01      | %                     |
| Residue after evaporation     | NF T 30-084     | 0          | %                     |
| Vapor pressure at 20°C        | NF T 13016-1    | 0,4        | hPa                   |

## PERFORMANCE CHARACTERISTICS

| CHARACTERISTICS                       | STANDARDS   | VALUES | UNITS    |
|---------------------------------------|-------------|--------|----------|
| KB Index                              | ASTM D 1133 | nm     | -        |
| Evaporation rate                      |             | >6     | H        |
| Surface tension at 20°C               | ISO 6295    | 35.5   | Dyne/ cm |
| Breakdown voltage                     | IEC 156     | nm     | Volts    |
| Copper blade corrosion 100hrs at 40°C | ISO 2160    | 1a     | Rating   |

## FIRE SAFETY CHARACTERISTICS

| CHARACTERISTICS                                                                      | STANDARDS      | VALUES | UNITS      |
|--------------------------------------------------------------------------------------|----------------|--------|------------|
| Flash point (vacuum)                                                                 | ISO 2719       | 95     | °C         |
| Self-ignition point                                                                  | ASTM E 659     | > 250  | °C         |
| Lower explosive limit                                                                | NF EN 1839     | 0.9    | % (volume) |
| Upper explosive limit                                                                | NF EN 1839     | 8.7    | % (volume) |
| Content of explosive, oxidizing, flammable, highly or extremely flammable substances | CLP Regulation | 0      | %          |

## TOXICOLOGICAL CHARACTERISTICS

| CHARACTERISTICS                                                       | STANDARDS      | VALUES | UNITS                   |
|-----------------------------------------------------------------------|----------------|--------|-------------------------|
| Anisidine index                                                       | NF ISO 6885    | nm     | -                       |
| Peroxide index                                                        | NF ISO 3960    | nm     | meq(O <sub>2</sub> )/kg |
| TOTOX (anisidine index + 2x peroxide index)                           | -              | nm     | -                       |
| Content of CMR substances, irritating, corrosive                      | CLP Regulation | 0      | %                       |
| Residual methanol content from transesterification                    | GC-MS          | 0      | %                       |
| Emissions of hazardous compounds, CMR, irritants, corrosive at 160°C. | GC-MS          | 0      | %                       |

## ENVIRONMENTAL CHARACTERISTICS

| CHARACTERISTICS                         | STANDARDS                       | VALUES       | UNITS  |
|-----------------------------------------|---------------------------------|--------------|--------|
| Biodegradation                          | OECD 301 A<br>OECD 301 C (MITI) | > 70<br>> 70 | %<br>% |
| VOC Content (Organo-Volatile Compounds) | -                               | <50          | %      |
| Sulphur content                         | GC MS                           | 0            | %      |
| Benzene content                         | ASTM D6229                      | 0            | %      |
| Total halogen content                   | GC MS                           | 0            | %      |

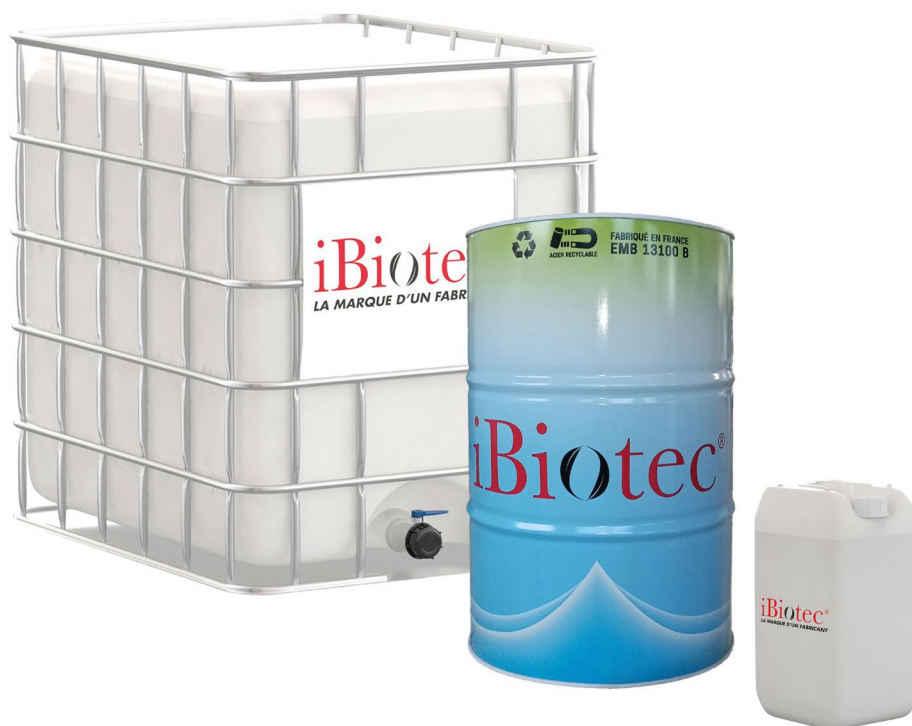
|                                             |                |   |   |
|---------------------------------------------|----------------|---|---|
| Chlorinated solvents content                | -              | 0 |   |
| Aromatic solvents content                   | -              | 0 |   |
| Environmentally dangerous substance content | CLP Regulation | 0 | % |
| PRP compound content                        | -              | 0 | % |
| ODP compound content                        | -              | 0 | % |

## PRESENTATIONS

IBC GRV 1000 kg

Drum 200 kg

Container 20 kg



## INSTRUCTIONS FOR USE

It is used directly in pure form, by wiping with a cloth or immersion bath, cold. Substrate cleaning speeds can be accelerated in hot baths up to 70°C.

## MODES OF USE



*Degreasing cloths*



*Ultrasonic tanks*



*Degreasing solvent by fountain system*



*Baths for immersion in hot or cold substances*

**iBiotec® Tec Industries® Service**  
 Z.I La Massane - 13210 Saint-Rémy de Provence – France  
 Tél. +33(0)4 90 92 74 70 – Fax. +33 (0)4 90 92 32 32  
[www.ibiotec.fr](http://www.ibiotec.fr)

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 Consulter la fiche de données de sécurité.

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