



**EBECRYL® 570**

***New Chlorine Free***  
**Adhesion Promoting Resin**

**October 2010**

**CYTEC**

## VALUE PROPOSITION

- Chlorine Free
- Enhanced Adhesion Promotion with polymeric substrates, such as: PE, PP, PET, PC and PVC
- Nestlé acrylate criteria compliant
- Can be used in indirect food contact packaging such as for OPV and in-mold labels (IML) applications..

# What is EBECRYL® 570?

## TYPICAL VALUES

|                            |              |
|----------------------------|--------------|
| Appearance                 | clear liquid |
| Density, g/cm <sup>3</sup> | 1.2          |
| Viscosity at 25°C, mPa.s   | 47000        |
| Colour, Apha               | < 200        |
| Acid value, mg KOH/g       | 20           |
| Hydroxyl value, mg KOH/g   | 40           |
| Residual AA, ppm           | < 1000       |
| Residual solvent, ppm      | < 100        |

## INVENTORY STATUS

|               |       |     |
|---------------|-------|-----|
| - Europe      | REACH | OK  |
| - US          | TSCA  | OK  |
| - Canada      | DSL   | OK  |
| - Australia   | AICS  | NOK |
| - Japan       | ENCS  | OK  |
| - Korea       | ECL   | NOK |
| - China       |       | OK  |
| - Philippines | PICCS | NOK |

**Important Note:** EBECRYL® 570 is NOT a EBECRYL LEO® grade resin.

# Application results of EBECRYL® 570

## In "STD OPV":

### FORMULATION

| FORMULATION            | %wt   |
|------------------------|-------|
| EBECRYL 570            | 35.0  |
| DPGDA                  | 44.5  |
| EBECRYL 7100           | 15.0  |
| Additol BCPK           | 5.0   |
| EBECRYL 350            | 0.5   |
| <b>Total %wt.:</b>     | 100.0 |
| <b>Viscosity</b>       |       |
| Viscosity mPa.s (25°C) | 300   |

### ADHESION

| <b>Adhesion</b> : 4µm on corona treated substrates film<br>– O2 (10 m/min)<br><b>Tape Tessa 4104</b> |   |
|--|---|
| PP (C58 Innovia)   | 5 |
| PE 80 µ  | 5 |
| PVC  | 5 |
| PC   | 5 |
| Melinex 813 (chemically treated PET)   | 5 |
| OPP GND 30   | 5 |
| OPP NND 30   | 0 |
| PET RNK 12 µm  | 5 |

ADHESION: 0 = bad ; 5 = excellent

# Application results of EBECRYL® 570

## In "LM OPV":

### FORMULATION

| FORMULATION            | %wt   |
|------------------------|-------|
| EBECRYL 570            | 25.0  |
| EBECRYL LEO 10501      | 19.5  |
| EBECRYL LEO 10551      | 45.0  |
| EBECRYL P 39           | 10.0  |
| EBECRYL 350            | 0.5   |
| <b>Total %wt.:</b>     | 100.0 |
| <b>Viscosity</b>       |       |
| Viscosity mPa.s (25°C) | 300   |

### ADHESION

|   |   |
|---|---|
| <b>Adhesion</b> : 4µm on corona treated substrates film – O2 (10 m/min)<br><b>Tape Tessa 4104</b> |   |
| PP (C58 Innovia)  | 4 |
| PE 80 µ   | 5 |
| PVC   | 4 |
| PET   | 5 |

ADHESION: 0 = bad ; 5 = excellent