# SOLURYL 820

## Grinding Vehicle & Polymer Surfactant for Water-based Products

### Features

- Good pigment dispersion
- Excellent ink transfer and printability
- High gloss and transparent

### Typical Properties

| | |
|---|---|
| Appearance | Clear pellet |
| Molecular Weight | 8,000 |
| Non Volatiles, wt% | >98.5 |
| Acid Number, mgKOH/g | 205 |
| Tg, °C | 118 |
| Density, g/ml | 1.125 |
| Softening Point, °C | 158 |

### Compatibility of Soluryl 820

Soluryl 820 is compatible with most common emulsions. Dilution with glycols, glycol ethers and alcohols is excellent.

### Application

Pigment grinding vehicle
Polymer surfactant for emulsion
Coating materials for water based OPV

### Solution Preparation and Properties

The following formulations are offered as starting points of making resin solutions. The resin should be cut under agitation by high-speed mixers. Although Soluryl 820 will dissolve at room temperature, the solution process can be greatly accelerated by use of warm water up to 70°C.

| | | |
|---|---|---|
| Soluryl 820 | 30.0 | 30.0 |
| D. Water | 63.2 | 63.2 |
| Ammonia Water (28%) | 6.8 | – |
| Monoethanol amine | – | 6.8 |
| pH | 8.5 | 8.8 |
| Viscosity, cps (25°C, Brookfield) | 1,600 | 2,300 |

### Safety Information

Soluryl 820 is not formulated to contain any hazardous or regulated materials such as lead, cadmium, mercury and chromium compounds. Raw materials for Soluryl 820 and our manufacturing process do not include any hazardous or regulated materials. In addition, Soluryl 820 is complied with FDA regulation 21CFR 175.105, 21CFR 175.210, CFR 175.300, 21CFR 175.320, 21CFR 176.170, 21CFR 176.180.