

# Soluryl S-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 S-820

Soluryl S-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 S-820 will dissolve at room temperature, the solution process can be greatly accelerated by use of warm water up to 70°C.

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