

# 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.

The information given herein and other otherwise supplied to users is based on our general experience and where applicable, on the results of tests on samples of typical manufacture. However, because of the many factors which are outside knowledge and control, which can effect the use of these products, users must rely on their own judgment and we cannot accept liability for any injury, loss or damage resulting from reliance upon such information.