

# Product Data Sheet

## Decovery® SP-6400

Decovery® SP-6400 is an alkali soluble acrylic copolymer dispersion. Decovery® SP-6400 exhibits high clarity and flexibility, good pigment wetting and steep pH/viscosity curve. Decovery® SP-6400 is recommended for pigment preparations, non-slip coatings and adhesive systems where clear transparency is required, such as hobby adhesives. Due to the product's clarity and alkali solubility, Decovery® SP 6400 has successfully been used in adhesives for PET bottle labelling applications, where label removal is required.

### Product characteristics

Type - Anionic, all acrylic copolymer emulsion  
 Neutralising agent - Sodium hydroxide  
 Freeze/thaw stability - Unstable  
 Biobased Carbon Content: 32%  
 ASTM D6866-16 Method B (AMS) Proportions Biobased Carbon vs. Fossil-based Carbon indicated by 14C Content.

### Film properties

- Highly flexible, clear and non-tacky
- Water and alkali sensitive
- Excellent reversibility
- Adhesion to a variety of substrates
- Low odour

### Recommendation for end-use

- Flexo inks for absorbent stock
- Pigment preparations
- Non-slip coatings
- Flexibility and rheology modifier
- Hobby adhesives

### Formulating guidelines

- Dilute and neutralize prior to use by slowly adding Decovery® SP-6400 to a premix of water and/or alcohols with neutralizing agent(s), whilst stirring
- Compatibility with other acrylics and polyurethanes is limited
- See our guide formulations for specific information

### Regulatory data sheet / Food contact

Specific information on compliance to food contact regulations is detailed in the regulatory data sheet, available on request

Delivery form: 40 % solids in water.

### Product specifications

| Property              | Range                     | Unit  | GAP  |
|-----------------------|---------------------------|-------|------|
| Appearance            | white, translucent liquid |       | 0059 |
| Total solids w/w      | 39 - 41                   | %     | 0001 |
| pH                    | 5.0 - 6.0                 |       | 0016 |
| Visc. Brookfield 25°C | 10 - 25                   | mPa.s | 0020 |

### Other product data

| Property               | Value   | Unit | GAP  |
|------------------------|---------|------|------|
| MFFT                   | 0       | °C   | 0011 |
| Density 20°C           | ± 1.06  | kg/l | 0006 |
| VOC (theoretical)      | ± 0.033 | %    |      |
| Preservative(s):       |         |      |      |
| BIT (casno. 2634-33-5) | 0.046   | %    | 0222 |

### Test methods

Test methods (GAP) referred to in the table(s) are available on request.

### Storage guidelines

The resin should be stored indoors in original, unopened, undamaged container in a dry place at storage temperature between 5- 40 °C. Exposure to direct sunlight should be avoided.

### Shelf life

Under above mentioned storage conditions, the shelf life of the resin will be 12 months ex work.

### Material safety

A Material Safety Data Sheet for this product is available on request.

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