

# Joncryl<sup>®</sup> Wax 120

|                                    |   |
|------------------------------------|---|
| <b>Product Description</b>         | Joncryl Wax 120 is a paraffin/polyethylene wax emulsion for overprint varnish, industrial coating, and functional packaging coating applications.                   |
| <b>Key Features &amp; Benefits</b> | <ul style="list-style-type: none"><li>- <b>Water shedding</b></li><li>- <b>Low VOC and coefficient of friction (COF)</b></li><li>- <b>FDA compliance*</b></li></ul> |
| <b>Chemical Composition</b>        | Paraffin/polyethylene wax emulsion  |
|                                    | <i>*The full FDA status is available upon request from the contact information provided below</i>   |

## Properties

|                           |                       |                   |            |
|---------------------------|-----------------------|-------------------|------------|
| <b>Typical Properties</b> | Appearance            |                   | tan liquid |
|                           | Non-volatile          | %                 | 34         |
|                           | pH at 25°C            |                   | 9.0        |
|                           | Viscosity             | cps               | 400        |
|                           | Average particle size | µm                | 0.08       |
|                           | Density at 25°C       | g/cm <sup>3</sup> | 0.98       |
|                           | Melting Point         | °C                | 56         |
|                           | Freeze-thaw stable    |                   | No         |
|                           | Total VOC             | % wt              | < 0.005    |

\* These typical values should not be interpreted as specifications.

## Application

Joncryl Wax 120 is a small particle size, very low VOC paraffin/polyethylene wax emulsion designed for water shedding, heat release, and low COF with FDA compliance. It combines the film forming and water shedding characteristics of paraffin wax with the durability and broad compatibility of polyethylene wax.

Joncryl Wax 120 is recommended for applications such as:

- Overprint varnishes for commercial or publication applications
- Functional packaging coating applications
- Interior/exterior general metal coating applications
- Interior/exterior wood coatings for millwork applications

## Processing

Joncryl Wax 120 will separate upon aging and must be agitated to uniformity before each use. Failure to follow this procedure will result in unpredictable finished product performance. Inks and coatings containing this product may require “agitate before use” instructions.

Joncryl Wax 120 can result in finished products that are totally impervious to penetration by many conventional adhesive and coating products. Care should be exercised to determine glue-ability and recoat properties of finished formulations and combining this product with other products. Different orders of addition should be evaluated to avoid the possibility of wax kick-out.

## **Safety**

### ***General***

The usual safety precautions when handling chemicals must be observed. These include the measures described in Federal, State, and Local health and safety regulations, thorough ventilation of the workplace, good skin care, and wearing of protective goggles.

### ***Safety Data Sheet***

All safety information is provided in the Safety Data Sheet for Joncryl Wax 120.

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## **Storage**

Please refer to the “Handling and Storage of Polymer Dispersions” brochure.

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