

# Joncryl® 95

<b>Product Description</b>	Joncryl 95 is an acrylic emulsion for industrial waterborne wood stain applications.
<b>Key Features &amp; Benefits</b>	<ul style="list-style-type: none"><li>- Ultra-fine particle size</li><li>- Minimal grain raising</li><li>- Good color development</li></ul>
<b>Chemical Composition</b>	Acrylic emulsion

## Properties

<b>Typical Properties</b>	Appearance	transparent emulsion
	Non-volatile at 145°C (2g, 30 minutes)	30%
	pH at 25°C	8.0
	Viscosity at 25°C (Brookfield #2LV, 60 rpm, 30 seconds)	100 cps
	Density at 20°C	1.04 g/cm <sup>3</sup> (8.73 lbs/gal)
<b>Typical Characteristics</b>	MFFT	20°C
	Tg	43°C
	Freeze-thaw stable	Yes

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

## Application

Joncryl 95 is an ultra-fine particle size, acrylic emulsion designed for use in wood stain applications. It provides solution-like appearance and penetration properties along with reduced grain raising.

Joncryl 95 is recommended for applications such as:

- Interior waterborne wood coatings for furniture or millwork applications

## Formulation Guidelines

**Formulation Solvent** – The use of very low coalescent levels is possible due to the film forming characteristics of Joncryl 95. Typical levels of 5% diethylene glycol mono butyl ether or dipropylene glycol n-propyl ether based on resin solids are recommended.

Solvents can also contribute to improved open time characteristics. Diethylene glycol mono butyl ether or propylene glycol can be utilized for this purpose. Levels between 2 – 4% by weight based on the total formula are recommended.

**Pigment Choice for Stains** – Joncryl 95-based stains can be pigmented in a number of ways:

1. Dry pigments can be introduced into a water/surfactant grind.
2. Pre-dispersed colorants can be used for convenience.

## Processing Caution

Since Joncryl 95 is not a Rheology Controlled (RC) emulsion, pigments cannot be dispersed directly into this polymer.

## Starting Point Formulation

The following starting point formulation is recommended for an initial evaluation of Joncryl 95. Additional optimization of the formulation may be required to achieve desired results for specific applications.

## Joncryl 95 INTERIOR WIPING STAIN, Formula 331-J

Materials	Pounds	Gallons
Water	707.0	84.9
Laponite <sup>2</sup> RD	10.7	0.5
<b>Disperse at 1000 rpm for 10 minutes</b>		
Aqualon <sup>3</sup> CMC 12M8 <sup>4</sup>	4.8	0.4
<b>Add slowly under agitation; disperse at 1500 rpm for 15 minutes</b>		
<b>Slow rpm to 1000 before adding the remaining materials:</b>		
Propylene glycol	15.5	1.8
Dipropylene glycol methyl ether	7.9	1.0
Irgasperse <sup>®</sup> U Yellow 136 liquid	4.2	0.5
Irgasperse <sup>®</sup> U Red 346 liquid	2.6	0.3
Tint-Ayd <sup>5</sup> CW 5509 Burnt Umber	27.2	2.3
Chroma-Chem <sup>6</sup> 896-9901 Lamp Black	3.3	0.4
Joncryl 95	68.1	7.8
Nuosept <sup>7</sup> 95	1.5	0.2
<b>Total</b>	<b>852.8</b>	<b>100.00</b>

### Formulation Attributes

Solids	6.3% by wt, 4.0% by volume
Density	8.53 lbs/gal
VOC (calculated)	3.2 lbs/gal, 414 g/l

<sup>2</sup>Registered trademark of BYK Additives

<sup>3</sup>Trademark of Ashland Inc.

<sup>4</sup>Please contact the manufacturer for availability.

<sup>5</sup>Registered trademark of Elementis Specialties, Inc.

<sup>6</sup>Registered trademark of Chromaflo Technologies Corporation.

<sup>7</sup>Registered trademark of ISP Investments Inc.

## 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 95.

## Important

WHILE THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, THEY ARE PROVIDED FOR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, BASF RECOMMENDS THAT THE READER MAKE TESTS TO DETERMINE THE SUITABILITY OF A PRODUCT FOR A PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESCRIPTIONS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF BASF'S TERMS AND CONDITIONS OF SALE. FURTHER, THE DESCRIPTIONS, DESIGNS, DATA, AND INFORMATION FURNISHED BY BASF HEREUNDER ARE GIVEN GRATIS AND BASF ASSUMES NO OBLIGATION OR LIABILITY FOR THE DESCRIPTIONS, DESIGNS, DATA OR INFORMATION GIVEN OR RESULTS OBTAINED, ALL SUCH BEING GIVEN AND ACCEPTED AT THE READER'S RISK.

*Joncryl is a registered trademark of BASF Group.*

© BASF Corporation, 2024



BASF Corporation is fully committed to the Responsible Care® initiative in the USA, Canada, and Mexico. For more information on Responsible Care® go to:  
U.S.: [www.basf.us/responsiblecare\\_usa](http://www.basf.us/responsiblecare_usa)  
Canada: [www.basf.us/responsiblecare\\_canada](http://www.basf.us/responsiblecare_canada)  
México: [www.basf.us/responsiblecare\\_mexico](http://www.basf.us/responsiblecare_mexico)

**BASF Corporation**  
Dispersions and Resins  
11501 Steele Creek Road  
Charlotte, North Carolina 28273  
Phone: (800) 251 – 0612  
Email: [CustCare-Charlotte@basf.com](mailto:CustCare-Charlotte@basf.com)  
[www.basf.us/dpsolutions](http://www.basf.us/dpsolutions)