

# Butonal<sup>®</sup> 4725 X

**Chemical Nature** Cold polymerized, non-carboxylated, fatty acid stabilized styrene-butadiene copolymer dispersion for the manufacture of flooring adhesives and latex foam

## Properties

|   |  |         |               |
|---|--|---------|---------------|
| <b>Typical Properties</b>                 | Solids Content                         | %       | ~ 69.0        |
|   | pH                                     |         | ~ 10.4        |
|   | Viscosity at 23 °C                     | mPa s   | ~ 1000 – 1500 |
|   | (Brookfield LV, Spindle #3, at 30 rpm) |         |               |
| <b>Other properties of the dispersion</b> | Density                                | lbs/gal | ca. 8.00      |
|   | Bound Styrene                          | %       | ca. 24        |
|   | Residual Styrene                       | %       | 0.08 max.     |
|   | Surface Tension                        | mN/m    | ca. 34        |
|   | Type of Dispersion                     |         | anionic       |
|   | Antioxidant                            |         | none          |

## Compatible With

|                    |   |
|--------------------|---|
| <i>Dispersions</i> | Butofan <sup>®</sup> NS 209, NS 222, Styrofan <sup>®</sup> ND 593, Styronal <sup>®</sup> ND 811 |
| <i>Thickeners</i>  | Rheovis <sup>®</sup> AS 1125  |
| <i>Resins</i>      | Commercial hydrocarbon tackifier dispersions  |

## Application

|                              |  |
|------------------------------|--|
| <b>Fields of Application</b> | Butonal 4725 X is used in the manufacture of flooring adhesives. Butonal 4725 X is a high-molecular weight polymer dispersion which gives excellent legging characteristics in flooring adhesives. |
| <b>Processing</b>            | In general, additives should be pre-neutralized to pH > 8.5 - 9.0 (depending on the system) prior to blending with Butonal 4725 X. The exact conditions should be determined by laboratory trials. |

## Safety

|                          |   |
|--------------------------|---|
| <b>General</b>           | 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. |
| <b>Safety Data Sheet</b> | All safety information is provided in the Safety Data Sheet for Butonal 4725  |

## Storage

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

## Important

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**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)