



## POLYFON<sup>®</sup> H dispersant

### PRODUCT DATA BULLETIN

#### Description and Typical Applications

POLYFON H is a relatively low molecular weight kraft lignosulfonate with a low degree of sulfonation. The major application is as a primary dispersant in dry and water-based agricultural chemicals and in disperse dyestuff formulations. It is also available as a 28% solids solution.

#### Typical Properties

Physical form	Free-flowing brown powder
Bulk density, lb/ft <sup>3</sup> - (kg/l)	
Loose	22 (0.354)
Packed	28 (0.450)
Cation	Sodium
Degree of sulfonation, moles - SO <sub>3</sub> Na/1,000 unit wt. of lignin	0.7
Moisture, %	7
Na <sub>2</sub> SO <sub>3</sub> , %	3.5
pH, 15% w/v, aqueous, 25°C	9.5
Reducing Sugars, %	0
Sintering point, °C	343
Solubility in Water	Complete
Stability	Stable under ordinary conditions
Surface tension (1% aqueous), mN/m	55
Total sulfur, %	4.2
Weight average molecular weight	4,300

#### Composition and Regulatory Status

POLYFON H is exempt from the requirement of a tolerance as outlined in 40 CFR, 180.1001 Paragraphs C and E and is designated as "Lignosulfonate, sodium salt." POLYFON H is listed in the TSCA inventory as "Lignosulfonic acid, sodium salt." CAS No. 8061-51-6

#### Shipping

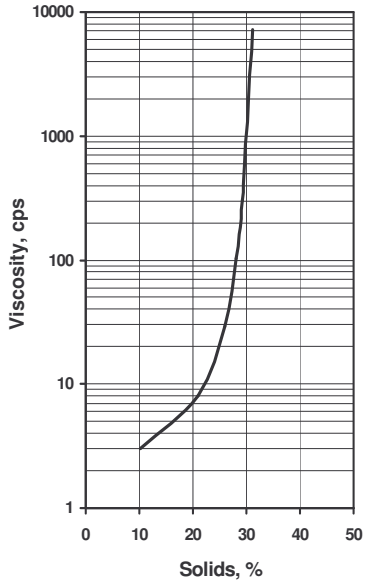
Freight Classification	Lignin pitch
Availability	1,102-lb. (500-kg.) net bulk bags, 55-lb. (25-kg.) net multiwall paper bags
Shipping Point	Charleston, South Carolina, USA

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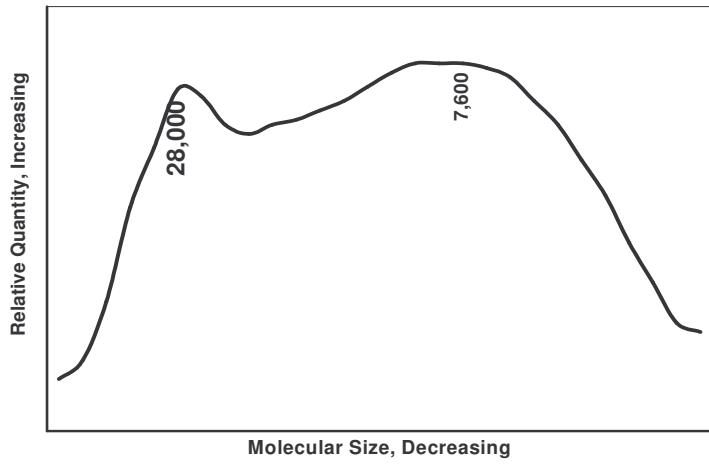
**Safety:** Always refer to the Material Safety Data Sheet for detailed information on shipping, handling, storage, and use.

**Important:** The information provided herein is believed to be accurate and reliable, but is presented without guarantee on the part of MeadWestvaco Corporation. Further, nothing contained herein shall be taken as an inducement to violate any patent rights.

**Viscosity of Aqueous Solution at 25°C**



**Molecular Weight Distribution  
Gel Filtration, 0.1M NaOH Solution**



**POLYFON H**  
**CAS No. 8061-51-6**  
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