Georgia-Pacific

Resin Division

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INSOL-U-25® (GP-4326)
AGRICULTURAL UREA FORMALDEHYDE CONCENTRATE

INSOL-U-25® (GP-4326) is a clear, stable urea-formaldehyde reaction product with a formaldehyde to urea ratio of 4.8 to 1. The product is a mixture of methylolureas in free formaldehyde and is suitable as a raw material for the production of slow release nitrogen products for fertilizer.

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TYPICAL PROPERTIES
(FOR GENERAL FERTILIZER USE)

Type: Urea-formaldehyde
Form Supplied: Liquid
Color: APHA, 50 maximum
Active Materials: 85%
Urea Content: 25 ± .5%
Formaldehyde Content: 60 ± .5%
Buffer Capacity: 20 Maximum
Molar Ratio (HCHO to Urea): 4.8 to 1
Viscosity @ 25°C: 250 - 400 cps
Specific Gravity @ 25°C/25°C: 1.324 ± 0.004
Lbs./U.S. Gal.: 11.0
pH @ 25°C: 7.5 - 8.5
Storage Life @ 77°F: 3 months, less at higher temperatures.

USE AND APPLICATION

INSOL-U-25® (GP-4326) is reacted with urea to produce a product with slow nitrogen release for use in fertilizer formulation.

CONTAINERS AND PACKAGES

INSOL-U-25® (GP-4326) can be stored in aluminum, stainless steel, and resin-lined mild steel tanks or containers if low color is necessary. If color is not important, mild steel tanks can be used. In order to maintain stable viscosity, INSOL-U-25® should be stored at 20 - 30°C (68 - 86°F). INSOL-U-25® can be supplied in drums, tank trucks, and tank cars.

IMPORTANT: The technical data herein is believed to be accurate. It is offered for your consideration, investigation and verification. Buyer assumes all risk of use, storage and handling of the product. NO WARRANTY, EXPRESS OR IMPLIED, IS MADE INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Nothing contained herein shall be construed as a license to operate under, or recommendation to infringe, any patents.