

Pel-Stik®

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Revised 5/1/99

DEFINITION: **Pel-Stik** is an all purpose, low inclusion pellet binder that improves pellet quality.

MODE OF ACTION:

- **Pel-Stik** improves steam penetration into the starches present in the feed ingredients, thereby enhancing gelatinization.
- **Pel-Stik's** penetrating properties also improve compression of high fiber feeds, resulting in less swelling and breakage.
- **Pel-Stik** lowers the intersurface tension between fat (or oils) and water. When fats are added to feed formulations or are present in the feed ingredients, they provide a barrier that inhibits steam penetration into the feed particles and reduces the bonding between them. **Pel-Stik's** penetrating action breaks down this barrier, improving fat penetration into the feed particles.

The result of having less fat on the surface of the feed particles strengthens the natural bond between them during the pelleting process providing harder, more durable pellets.

COMPOSITION: Condensed lignin sulfonate, propylene glycol, gelatin by-....products, sodium acetate, sodium sulfate.

**FEED TAG LABEL
RECOMMENDATIONS:**

As condensed lignin sulfonate is the major component, it should be listed on the feed tag as "lignin sulfonate". However, the other ingredients of the product do not have to be displayed on the feed tag as they meet the FDA criteria for exemptions from animal food labeling which reads *"substances that are added to a food for their technical or functional effect in the processing but are present in the finished food at insignificant levels and do not have any technical or functional effect in that food are exempted"*, **FDA regulation 501.100 (3)(ii)(c), 21 CFR.**

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CARRIER: None

COLOR: Brown

ODOR: Burnt sugar

USE LEVEL: Use 3 to 8 lbs. per ton of feed to be pelleted. When replacing high inclusion lignin sulfonate use a ratio of approximately 1 lb. of **Pel-Stik**

per 5 lbs. of lignin being replaced. Add **Pel-Stik** to feed in appropriate mixing equipment. **Pel-Stik** should be included when vitamins and other micro ingredients are added.

Follow general pelleting guidelines that recommend applying the maximum amount of steam in the conditioning chamber. The pellets or cubes should be moist throughout the entire pellet (not dry in the center). Adjust the pellet mill for maximum steam and production to achieve the best looking pellet out of the die.

Pel-Stik improves the steam/moisture penetration into the feed particles during the pelleting process.

PACKAGING: 50 pound multi-wall, poly-lined, valve pak bags. 40 bags per pallet. 1000 lb. and 2000 lb. tote bags. Also available in bulk delivery.

STORAGE: Store in cool, dry place. Reseal bags well after each use.

BULK DENSITY: 30-31 lbs./cu. ft.

**TYPICAL ANALYSIS
(As Is Basis):**

Crude Protein	7.00 to 8.50%
Crude Fiber.....	0.10 to 0.30%
Crude Fat.....	0.15 to 0.40%
Calcium	0.10 to 0.20%
Sodium	3.80 to 6.50%
Calculated ME Poultry, Kcal/lb	445.00
Calculated TDN	31.50

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