

# Super-Bind®

**FEED  
ADDITIVES**

**ALL PURPOSE  
MID-INCLUSION  
PELLET BINDER**

## **For Manufacturing Use Only**

**INGREDIENTS:** Condensed Lignin Sulfonate.

**DIRECTIONS:** Use 10 to 25 lb per ton of feed to be pelleted. When replacing high-inclusion, full strength lignin sulfonate, use a ratio of approximately 1 lb of SUPER-BIND to every 2 lb of full strength lignin. When replacing medium inclusion lignin binders, replace at equal use rates. Normal use level of SUPER-BIND is 12.5 lb per ton.

Add SUPER-BIND to feed in a mixer or other appropriate mixing equipment. SUPER-BIND should be included when vitamins and other micro ingredients are added. Always add SUPER-BIND into the mixture before any liquids. For best distribution, SUPER-BIND should not be the first or last ingredient into the mixer.

Follow general pelleting guidelines that recommend applying the maximum amount of steam in the steam 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.

**Caution:** Avoid contact with skin and eyes. Avoid breathing dust.  
Close bag after each use.

**STORE IN COOL, DRY PLACE**

*Manufactured for:*



**Uniscope, Inc.**

310 South First Street • P.O. Box 1039  
Johnstown, Colorado • U.S.A. 80534-1039

**Net Weight  
50 Pounds  
(22.7 kg)**

**LOT NO:**

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## ***Super-Bind***<sup>®</sup>

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- DEFINITION:** **Super-Bind** is an all purpose, medium inclusion lignin pellet binder designed to improve pellet quality.
- Super-Bind** is a lignin sulfonate which has been modified during processing to provide a feed binder with powerful plasticizing properties and tack. This combination produces durable pellets that are not brittle and less apt to crack or break up during normal handling.
- MODE OF ACTION:** **Super-Bind** solubilizes in the steam chamber and forms a strong adhesive coating on the surface of the feed particles. As the coated particles pass through the die, the **Super-Bind** is forced into the voids between the feed particles, bonding them firmly together to provide a more durable pellet.
- COMPOSITION:** Condensed Lignin Sulfonate.
- FEED TAG LABEL RECOMMENDATIONS:** Declare **Super-Bind** as lignin sulfonate on feed tag labels.
- CARRIER:** None
- COLOR:** Color variations will not affect performance. Most typical is a dark brown; however, may range from gold to reddish brown.
- ODOR:** Burnt sugar
- USE LEVEL:** Use 10 to 25 lb per ton of feed to be pelleted. However, when replacing high-inclusion or full-strength lignin sulfonate, use a ratio of approximately 1 lb of **Super-Bind** to every 2 lb of full-strength lignin. When replacing medium inclusion binders, replace at equal use rates. Add **Super-Bind** to feed in a mixer or other appropriate mixing equipment.

Always add **Super-Bind** into the mixer before any liquids. For best distribution, **Super-Bind** should not be the first or last ingredient into the mixer.

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.

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

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

**BULK DENSITY:** Average 25 lb/cu. ft. (range 22-31 lb/cu.ft.)

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

Ash .....	1.00 to 3.20%
Crude Fiber .....	0.03 to 0.50%
Crude Fat .....	0.03 to 0.25%
Moisture.....	<7.00%
Nitrogen as ammonia.....	3.00 to 4.60%