

**Safety Data Sheet**  
**OptiPhos<sup>®</sup> 2000 PF**  
**March 2007**

**1. PRODUCT AND COMPANY INFORMATION**

Company information      JBS United, Inc.  
4310 W. State Rd. 38  
Sheridan, IN 46069  
1-800-382-9909

**2. COMPOSITION/INGREDIENT DESCRIPTION**

Characterization                      -A standardized enzyme preparation of  
biotechnological origin for feed additive mixture

Ingredients

Flour  
Vegetable Fat  
Corn grits  
Feed grade enzyme additive  
Starch

**3. HAZARDS IDENTIFICATION**

Most important hazards              -May cause sensitization by inhalation.

**4. FIRST AID MEASURES**

Eye Contact                              -Rinse immediately with tap water for 10 minutes-  
open eyelids forcibly

Skin Contact                              -Remove contaminated clothes, wash affected skin  
with water and soap-do not use any solvents

Inhalation                                 -Remove the casualty to fresh air and keep calm

Note to Physician                      -Treat symptomatically

**5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media        -Adapt extinguishing media to surrounding fire  
conditions

**6. ACCIDENTAL RELEASE MEASURES**

Methods for cleaning                 -Collect spills and hand over to waste removal

**7. HANDLING AND STORAGE**

Technical Measures                    -Local exhaust ventilation necessary

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Storage measures	-Store at room temperature 22°C unopened
Validity	-12 months, 22°C in unopened original container
Packaging Materials	-Sealed and moisture proof polyethylene-lined containers

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION EQUIPMENT**

Respiratory Protection	-N/A during normal operation -If dust is overwhelming; respirator with independent air supply or particle respectively filter mask
Hand Protection	-Protective Gloves
Eye Protection	-Safety Glasses

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	yellow, granular
Odour	Faint Fermentation
pH	5.0– 5.5 (1% aqueous solution)
Melting Point	N/A
Flashpoint	N/A
Explosive Properties	N/A
Relative Density	42 lb./cubic foot
Solubility	Partially Soluble

**10. STORAGE STABILITY AND REACTIVITY**

Stability	-refer to 7
Conditions to avoid	-exposure to 37°C with high humidity

**11. TOXICOLOGICAL INFORMATION**

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Acute Toxicity	-No detrimental effects when feed at 5 times the highest recommended level
Local Effects mucous	-Some enzymes may cause irritation of eyes, membranes or skin on longer contact
Sensitization	-With enzymes repeated inhalation of dust or aerosols as well as direct contact may cause sensitization and allergic reactions in predisposed individuals

**12. DISPOSAL CONSIDERATIONS**

General	-Dispose of product by utilizing local/national regulations regarding waste disposal
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**13. TRANSPORTATION INFORMATION**

Guidelines	-N/A
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**14. REGULATORY INFORMATION**

Listed on Inventory	-No
Not Listed, TSCA Exempt	-Yes

**15. OTHER INFORMATION**

Use	-A feed additive, for all poultry and swine
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**16. DISCLAIMER**

**The information and recommendation in this safety data sheet are believed to be correct and reliable. It should not be taken as expressing or implying any warrant concerning product characteristics.**