Safety Data Sheet

Section 1: Identification
Soybean Hulls, Pelletized

Manufacturer:	Owensboro Grain Company P.O. Box 1787 (270) 926-2032	822 East Second Street Owensboro, KY 42302

Emergency Health and Safety Number: 270-686-6628

Section 2: Hazard Identification
Classification: Organic Dust

Label Elements:
SIGNAL WORD: Warning

Hazard Statement:
Class 2B eye irritant. Dust may cause breathing difficulties if inhaled. Dust may create a flash fire of explosion hazard if dust of certain particle size is suspended in air at sufficient concentration in a confined space and exposed to an ignition source

Precautionary Statement:
May be mechanical eye irritant. Rinse eyes with water for several minutes. Avoid breathing dust. Excessive inhalation may affect nose, throat and lungs. Dust may burn if suspended in air and may create a flash fire/explosion hazard. Avoid ignition sources.

Emergency Overview:
May be mechanical irritant to eyes. Excessive inhalation may affect nose, throat and lungs. May form combustible dust concentration in air. See "Explosion Hazard" below.

Explosion Hazard:
Soybean hull pellets are generally considered nonhazardous, but dust generated through downstream activities that may reduce its particle size (e.g. shipping, handling, transfer to bins, etc.) and may create a hazardous condition.

If exposed to an ignition source, dust may burn. Airborne dust in sufficient concentrations when exposed to an ignition source may flash or, in a confined situation, may fuel an explosion.

Section 3: Composition / Information on Ingredients
Soybean hulls, screenings, chaff and/or dust, offal and soybean milling by-products.

Section 4: First Aid Measures
Inhalation: Remove person from exposure; seek medical attention for any breathing difficulty.
Ingestion: If swallowed, give several glasses of water to dilute. Never give anything by mouth to an unconscious person.

Skin Contact: Wash affected skin with soap and water.
Eye Contact: Flush eyes with water. Seek medical attention as needed.

Section 5: Fire Fighting Measures
Hazardous Combustion Products: Oxides of Carbon

Special Fire Fighting Procedures: Extinguish with water fog, dry chemical powder or foam. Do not use strong streams of water or dry chemical if the dust can be dispersed into the air. Dust placed in suspension with an ignition source present may flash or explode.

Unusual Fire and Explosion Hazard: Explosion hazard may exist for combustible dusts of certain particle size and moisture content when suspended in air at certain concentrations and subjected to an ignition source.

Section 6: Accidental Release Measures
Clean up with a soft bristle broom or vacuum approved for a Class II Hazardous Location. Dust deposits should be maintained to a minimum on surfaces, as these could form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in air (i.e. cleaning dust surfaces with compressed air in the presence of ignition source should not be allowed). Non-sparking tools should be used.

Section 7: Handling and Storage
Avoid dispensing dust in air and exposure to potential ignition sources. Remove dust from area/processing equipment prior to using any heat producing equipment such as arc welders, cutting torches and spark/heat producing tools such as portable surface grinders. A Hot Work permit may be required under 29 CFR 1910.272 (f).

Section 8: Exposure Control/Personal Protection
Respiratory Protection: May cause irritation of the nasal membranes or the upper respiratory tract. If dust exceeds the nuisance level, wear an approved NIOSH dust respirator for dust concentrations in the work area are above the ACGIH TLV 10 mg/m^3
or OSHA PELS 15 mg/m^3 (total), 5 mg/m^3 (respirable)

Ventilation: Local exhaust if needed.

Mechanical (General): if needed.

Ensure that dust handling systems (such as exhaust ducts, dust collectors, vessels and processing equipment) are designed in a manner to prevent the escape of dust into the work area. Use only appropriately classified electrical equipment and powered industrial trucks.

Protective Gloves: N/A

Eye Protection: Safety glasses/goggles suggested in dusty conditions.

Work/Hygienic Practices: Good personal hygiene practices should be followed. Wash hands and face before eating, drinking, etc.

Avoid dust accumulation and control ignition sources. Where appropriate, employ grounding, venting and explosion relief provisions in accordance with accepted engineering practices in processes capable of generating dust and/or static electricity. Avoid accumulation of dust on surfaces to prevent secondary dust explosions. Refer to appropriate OSHA, NFPA and applicable standards.

Section 9: Physical and Chemical Properties

Flashpoint (Method): N/A

Flammable Limits: LEL: Variable UEL: Unknown

Autoignition Temperature: Unknown

Appearance: Dark Brown to Gray

Solid Contents: 100%

Section 10: Stability and Reactivity

Stability: Stable Condition to Avoid: Dispersing dust in air above MEC, and exposure to potential ignition sources.

Incompatibility (Materials to avoid): None known

Hazardous Decomposition or Byproducts: CO_2, H_2S, and oxygen deficient atmosphere under improper storage conditions.

Hazardous Polymerization: Will not occur Condition to Avoid: N/A

Section 11: Toxicological Information

Routes of Entry: Inhalation: Yes Skin: Yes Eyes: Yes Ingestion: Unlikely
Carcinogenicity: NTP: No ARC Monographs: No OSHA Regulated: No

Acute: May be mechanical irritant to skin and eyes, excessive inhalation of dusts may affect nose, throat and lungs.

Chronic: Repeated and prolonged inhalation of dusts may affect the respiratory system. Smokers have an increased risk of respiratory effects.

Signs and Symptoms of Exposure: Irritation to the skin, eyes, nose or throat may occur. Some people may occasionally experience coughing.

Medical Conditions Generally Aggravated by Exposure: Allergies and respiratory ailments.

Section 12: Ecological Information (Non-mandatory)

Section 13: Disposal Considerations (Non-mandatory)

Section 14: Transport Information (Non-mandatory)
Not regulated.

Section 15: Regulatory Information (Non-mandatory)
All electrical equipment must be suitable for use in hazardous atmospheres involving combustible dust in accordance with 29 CFR 1910.307. The National Electrical Code contains guidelines for determining the type and design of equipment and installation, which will meet this requirement.

Combustible dust is a "Hazard other than Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1901.1200.

Section (b)(5)(iii) of the HCS (29 CFR 1910.1200) exempts food, including feed, and therefore any associated dust, from the labeling requirements of the HCS since the food/feed is subject to the labeling requirements of the Food and Drug Administration.

Section 16: Other Information
The information on this SDS is believed to be accurate. However, each purchaser should make its own determination about the suitability of the product for its purposes. The manufacturer assumes no responsibility for any risk or liability arising from the use of this information or the product.

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