

**BUNGE-ERGON VICKSBURG, LLC**

**Dry Distillers Grains and Solubles**

**MSDS No. BEV05**

Date of Preparation: **April 6, 2009**

Revision No. 2

**Section 1 – Chemical Product and Company Information**

<b>Product/Chemical Name:</b>	Dry Distillers Grains
<b>Chemical Formula:</b>	Not applicable
<b>CAS Number:</b>	Not applicable
<b>Other Designations:</b>	DDG, DDGS, Distillers Dry Grains and Solubles
<b>General Use:</b>	Animal Feed
<b>Manufacturer:</b>	Bunge-Ergon Vicksburg, LLC, 1833 Haining Road, Vicksburg, Mississippi 39183, (601) 636-1976; Hours of Operation 8:00 am – 5:00 pm; ERGON 24 Hour Emergency Phone Number 1-800-222-7122; CHEMTREC 1-800-424-9300.

**Section 2 – Composition / Information on Ingredients**

Ingredient Name	CAS Number	% Weight
Distillers dry grains and solubles	Not applicable	Approximately 90
Water	7732-18-5	Balance

INGREDIENT	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH IDLH
	TWA	STEL	TWA	STEL	TWA	STEL	
Distillers dry grains and solubles	None estab.	None estab.	None estab.	None estab.	None estab.	None estab.	None estab.

**Section 3 – Hazards Information**

**EMERGENCY OVERVIEW**

<b>HMIS</b> H-0 F-0 R-0 PPE* * Sec.8
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**POTENTIAL HEALTH EFFECTS**

**Primary Entry Routes:** Inhalation, ingestion, and absorption.

**Target Organs:** Not available.

**Acute Effects:** It is unlikely that an acute hazard would be posed from ingestion of this product. Dust from this product is a nuisance particulate and may cause irritation upon respiration. No evidence of significant adverse effects from available information. Fibers may cause minor skin irritation.

**Carcinogenicity:** Product not listed as an IARC, NTP, ACGIH, or OSHA carcinogen.

**Medical Conditions Aggravated by Long-Term Exposure:** Not available.

**Chronic Effects:** Not available.

**Section 4 – First Aid Measures**

**Inhalation:** Dust from this product is categorized as a nuisance particulate. May cause irritation upon respiration. Remove victim to fresh air.

**Eye Contact:** Flush with water for at least 15 minutes while holding eye lids apart. Get medical attention immediately.

**Skin Contact:** Fibers may mildly irritate skin. Flush contaminated area with water for at least 20 minutes. Remove contaminated clothing under running water. Completely decontaminate clothing before re-use, or discard. If irritation occurs seek medical attention.

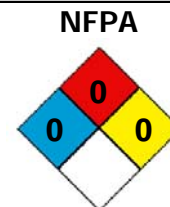
**Ingestion:** It is unlikely that an acute hazard would be posed from ingestion of this product. Never give anything by mouth if victim is rapidly losing consciousness or is unconscious or convulsing. DO NOT INDUCE VOMITING. Have victim drink about 250 ml (8 oz) of water to dilute material in stomach. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration.

**After first aid, get appropriate in-plant paramedic or community medical support.**

**Special Precautions/Procedures:** Dry distillers grains are an animal feed product. Health effects upon exposure or ingestion are expected to be minimal.

**Section 5 – Fire Fighting Measures**

**Flash Point:** Not applicable  
**Flash Point Method:**  
**Auto ignition Temperature:** Not applicable  
**LEL:** Not applicable  
**UEL:** Not applicable  
**Flammability Classification:**  
**Extinguishing Media:** Apply water or all-purpose-type foams by manufacturers' recommended techniques for large fires. Use carbon dioxide or dry chemical media for small fires.  
**Unusual Fire or Explosion Hazards:** Dust/ air mixtures may be explosive. Avoid pilot lights, other flames, sparks, heaters, electrical equipment, static discharges or other ignition sources.  
**Hazardous Combustion Products:** Burning can produce carbon monoxide and/or carbon dioxide.  
**Special Fire-Fighting Instructions:** None  
**Fire-Fighting Equipment:** Conventional equipment may be used as necessary.



**Section 6 – Accidental Release Measures**

**Spill/Leak Procedures:** Use conventional cleanup methods.  
**Disposal:** Waste material should be disposed of using conventional methods, in compliance with all federal, provincial and local government regulations.

**Section 7 – Handling and Storage**

**Handling Precautions:** Wear eye protection suitable to the hazard. Wash exposed skin thoroughly after handling. Good personal hygiene practices are suggested, such as abstaining from eating, drinking and smoking in the workplace.  
**Storage:** Keep away from heat, sparks and flames. Take precautions to prevent static electricity build-up when transferring contents.

**Section 8 – Exposure Controls / Personal Protection**

**Engineering Controls:** Not normally required.  
**Ventilation:** Local ventilation is recommended where practical to reduce exposure to airborne dusts.  
**Respiratory Protection:** Use appropriate NIOSH approved respirator when needed, to protect against nuisance airborne dusts.  
**Protective Clothing/Equipment:** Not normally required. Use suitable impervious rubber or neoprene gloves. Wear appropriate eye protection (chemical safety goggles and/or face shield) to prevent eye contact per OSHA eye- and face-protection regulations (29 CFR 1910.133).  
**Safety Stations:** Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area as required.  
**Contaminated Equipment:** Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.  
**Comments:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, or smoking.

**Section 9 – Physical and Chemical Properties**

<b>Physical State:</b> Solid	<b>Water Solubility:</b> Not applicable
<b>Appearance and Odor:</b> Yellowish brown substance with cooked corn odor.	<b>Other Solubilities:</b> Not applicable
<b>Odor Threshold:</b>	<b>Boiling Point:</b> Not applicable
<b>Vapor Pressure (mm Hg.) at 20°C:</b> Not applicable	<b>Freezing/Melting Point:</b> Not applicable
<b>Vapor Density (Air = 1) at 78°C:</b> Not applicable	<b>Viscosity:</b> Not applicable
	<b>Refractive Index:</b> No data.

**Section 10 – Stability and Reactivity**

**Stability:** This product is susceptible to degradation by growth of micro organisms on exposed surfaces over time.  
**Polymerization:** Hazardous polymerization will not occur under normal conditions.  
**Chemical Incompatibilities:** Not applicable  
**Conditions to Avoid:** Sources of ignition of airborne dust.  
**Hazardous Decomposition:** Burning can produce carbon monoxide and/or carbon dioxide and/or formaldehyde.

**Section 11 – Toxicological Information**

<b>Eye Effects:</b> May cause irritation.	<b>Skin Effects:</b> Not applicable
<b>Acute Inhalation Effects:</b> Not applicable	<b>Acute Oral Effects:</b> Not applicable
<b>Carcinogenicity:</b> Not applicable	<b>Mutagenicity:</b> Not applicable
<b>Teratogenicity:</b> Not applicable	
<b>Chronic Effects:</b> Not applicable	

**Section 12 – Ecological Information**

**Ecotoxicity:** No data.  
**Environmental Fate:**  
     **Environmental Transport:** No data.  
     **Environmental Degradation:** No data.  
     **Soil Absorption/Mobility:** No data.

**Section 13 – Disposal Considerations**

**Disposal:** Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.  
**Disposal Regulatory Requirements:** None. Follow Federal, state, and local regulations for disposal of solid waste.  
**Container Cleaning and Disposal:** Follow Federal, state, and local regulations for disposal of the waste material.

**Section 14 – Transport Information**

<b>Shipping Name:</b> Not applicable	<b>Packaging Authorizations:</b>	<b>Quantity Limitations:</b>
	a) Exceptions:	a) Passenger, Aircraft, or Railcar:
	b) Non-bulk Packaging:	b) Cargo Aircraft Only:
	c) Bulk Packaging:	
<b>Shipping Symbols:</b> Not applicable		<b>Vessel Stowage Requirements:</b>
<b>Hazard Class:</b> Not applicable		a) Vessel Stowage:
<b>ID No.:</b> Not applicable		b) Other:
<b>Packing Group:</b> Not applicable		
<b>Label:</b> Not applicable		
<b>Special Provisions (172.102):</b>		

**Section 15 – Regulatory Information**

**EPA Regulations:**

**RCRA**

RCRA Hazardous Waste Numbers: Not listed

**Federal Regulatory Information**

CERCLA: Not listed

CERCLA Reportable Quantity (RQ): None

**TSCA**

Not listed on the TSCA inventory.

**SARA**

SARA 313 Components: Not listed

SARA Toxic Chemical: Not listed.

SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed.

**Clean Air Act**

Not listed

**OSHA Regulations**

Not listed

OSHA Specifically Regulated Substance: No

**State Regulations:** None

**Section 16 – Other Information**

**Revision Notes:**

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