

**Bunge – Ergon Vicksburg, L.L.C**

**Condensed Distillers Solubles**

**MSDS No. BEV02**

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

**Revision No. 1**

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

<b>Product/Chemical Name:</b>	Condensed Distillers Solubles
<b>Chemical Formula:</b>	NA
<b>CAS Number:</b>	NA
<b>Other Designations:</b>	NA
<b>General Use:</b>	NA
<b>Manufacturer:</b>	Bunge – Ergon Vicksburg, L.L.C.; 1833 Haining Road; Vicksburg, MS 39183; Phone 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**

<b>Ingredient Name</b>	<b>CAS Number</b>	<b>% V/V</b>
Distillers grains and solubles	NA	30-40%
Water	7732-18-5	60-70%

<b>INGREDIENT</b>	<b>OSHA PEL</b>		<b>ACGIH TLV</b>		<b>NIOSH REL</b>		<b>NIOSH IDHL</b>
	<b>TWA</b>	<b>STEL</b>	<b>TWA</b>	<b>STEL</b>	<b>TWA</b>	<b>STEL</b>	
Distillers grains and solubles	None estab.	None estab.	None estab.	None estab.	None estab.	None estab.	None estab.
Water	None estab.	None estab.	None estab.	None estab.	None estab.	None estab.	None estab.

**Section 3 – Hazards Information**

**EMERGENCY OVERVIEW**

**POTENTIAL HEALTH EFFECTS**

**Eye:** Airborne dust from this product may irritate eyes; wear appropriate eye protection.

**Skin:** No evidence of significant adverse effects from available information; fibers may cause minor skin irritation.

**Ingestion:** It is unlikely that an acute hazard would be posed from ingestion of this product.

**Carcinogenicity:** IARC, NTP, and OSHA do not list this product as carcinogen.

**Section 4 – First Aid Measures**

**Inhalation:** Remove to fresh air.

**Eye Contact:** Flush thoroughly with water for at least 10 minutes. Dust may cause eye irritation. Seek medical attention.

**Skin Contact:** Fibers may mildly irritate skin; flush 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. DO NOT INDUCE VOMITING. Have victim drink about 8 ounces of water to dilute material in stomach. Never give anything by mouth if victim is rapidly losing consciousness or is unconscious or convulsing. Seek medical attention immediately.

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

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

Use PPE appropriate for the task.

### Section 5 – Fire Fighting Measures

**Flash Point:** Not Applicable (NA)

**Flash Point Method:** NA

**Ignition Temperature:** NA

**LEL:** Not Determined

**UEL:** Not Determined

**Extinguishing Media:** Not flammable or combustible

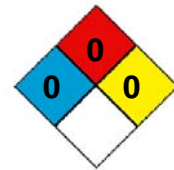
**Unusual Fire or Explosion Hazards:** None

**Fire-Fighting Instructions:** None

**Hazardous Combustion or Decomposition Products:** Burning can produce carbon monoxide and/or carbon dioxide

**Fire-Fighting Equipment:** Use self-contained breathing apparatus in enclosed areas where heavy smoke may occur.

NFPA



### Section 6 – Accidental Release Matters

**Spill/Leak Procedures:** Stop spill at source. Confine spill by diking or impoundment. Clean-up spill but do not flush to sewer or surface water.

**Small Spills:** Stop spill at source if possible. Isolate and confine by diking, or similar method. Remove discharged material.

**Large Spills:**

**Regulatory Requirements:** This material is not a hazardous waste as defined in RCRA. For disposal follow all federal, state, and local regulations regarding solid waste.

### Section 7 – Handling and Storage

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.

**Regulatory Requirements:** None known.

### Section 8 – Exposure Controls / Personal Protection

**Engineering Controls:** Not applicable.

**Ventilation:** Not normally required

**Respiratory Protection:** Not normally required. Over time, microbial growth on exposed surfaces may cause the oxygen content in confined spaces to be reduced. Do not enter confined spaces containing this product without first verifying that the oxygen content is safe.

**Protective Clothing/Equipment:** Gloves are generally not required; neoprene, butyl or natural rubber gloves may be used. Wear eye protection suitable to hazard. Safety glasses or monogoggles when exposed to flying particles during handling.

**Safety Stations:** Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

**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

**Physical State:** syrup

**Water Solubility:** Not applicable

**Appearance and Odor:** yellowish brown with cooked corn odor **Other Solubilities:** No data.

**Odor Threshold:** Not applicable

**Vapor Pressure:** Not applicable

**Vapor Density (Air = 1):** Not applicable

**Specific Gravity (H<sub>2</sub>O = 1, at 4°C):** Not applicable

**pH:** 6.0-7.0

**Boiling Point:** 212°F

**Freezing/Melting Point:** 32°F

**Viscosity:** No data.

**Refractive Index:** No data.

**Surface Tension:** No data.

**% Volatile:** 60-70

**Evaporation Rate:** Not applicable

### Section 10 – Stability and Reactivity

**Stability:** This product is susceptible to degradation by growth of microorganisms on exposed surfaces over time

**Polymerization:** Will not occur

**Chemical Incompatibilities:** Not applicable

**Conditions to Avoid:** Over time, microbial growth on exposed surfaces may cause the oxygen content in confined spaces to be reduced. Do not enter confined spaces containing this product without first verifying that the oxygen content is safe.

**Hazardous Decomposition Products:** Primary decomposition products are carbon monoxide and carbon dioxide.

### Section 11 – Toxicological Information

**Eye Effects:** Product may be considered an eye irritant. The effect is temporary. **Skin Effects:** May cause irritation to skin.

**Acute Inhalation Effects:** Human, inhalation, TC<sub>10</sub>: No data.

**Acute Oral Effects:** Rat, oral, LD<sub>50</sub>: Not applicable

**Carcinogenicity:** Not a known human carcinogen.

**Mutagenicity:** No data.

**Teratogenicity:** No data.

**Chronic Effects:** 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:** Solidified waste material should not be a hazardous waste under RCRA guidelines. Follow Federal, state, and local regulations for disposal of solid waste.

**Container Cleaning and Disposal:** Recommend using a non-hazardous solvent to remove the product. Follow Federal, state, and local regulations for disposal of the waste material, regardless of its waste classification.

### Section 14 – Transport Information

**Shipping Name:**

**Packaging Authorizations:**

**Quantity Limitations:**

a) Exceptions: None

a) Passenger, Aircraft, or Railcar:

**Shipping Marking:**

b) Non-bulk Packaging: None

b) Cargo Aircraft Only:

**Hazard Class:**

c) Bulk Packaging: 173.247

**ID No.:**

**Vessel Stowage**

**Packing Group:**

**Requirements:**

**Label:**

a) Vessel Stowage:

**Special Provisions (172.102):**

b) Other:

### Section 15 – Regulatory Information

**EPA Regulations:**

**RCRA**

RCRA Hazardous Waste Number: Not listed.

RCRA Hazardous Waste Classification (40 CFR 261): Solidified waste material should not be a hazardous waste. However, waste material should be tested for the characteristic of ignitibility.

**CERCLA**

CERCLA: Not listed.

CERCLA Reportable Quantity (RQ): This material is not a listed hazardous substance and does not have a reportable quantity.

**SARA**

SARA 311/312 Codes: Not Listed

SARA Toxic Chemical: Not listed.

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

**OSHA Regulations**

Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): See Table in Section 2.

OSHA Specifically Regulated Substance: No

**State Regulations:**

**Section 16 – Other Information**

**Revision Notes:**

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