

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

Product/Chemical Name:	Condensed Distillers Solubles
Chemical Formula:	NA
CAS Number:	NA
Other Designations:	NA
General Use:	NA
Manufacturer:	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

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

INGREDIENT	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH IDHL
	TWA	STEL	TWA	STEL	TWA	STEL	
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

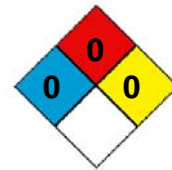
Unusual Fire or Explosion Hazards: None

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 (H₂O = 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, TC₁₀: No data.

Acute Oral Effects: Rat, oral, LD₅₀: 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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