SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME (GHS Product Identifier): Wet Distillers Grains
(Other means of Identification): WDG, WDGS, Distillers Grains

PRODUCT INTENDED USE AND RESTRICTION: Animal feed

ENTITY CHECKED BELOW:

<table>
<thead>
<tr>
<th>Company Name</th>
<th>Address</th>
<th>Phone</th>
<th>Fax</th>
</tr>
</thead>
<tbody>
<tr>
<td>Green Plains Atkinson LLC</td>
<td>87590 Hill Crest Rd, Atkinson, NE 68713</td>
<td>402-925-5570</td>
<td>402-925-2988</td>
</tr>
<tr>
<td>Green Plains Central City LLC</td>
<td>214 20th St, Central City, NE 68826</td>
<td>308-946-9700</td>
<td></td>
</tr>
<tr>
<td>Green Plains Fairmont LLC</td>
<td>1125 N Bixby Road, Fairmont, MN 56031</td>
<td>507-238-3600</td>
<td>507-238-3624</td>
</tr>
<tr>
<td>Green Plains Hereford LLC</td>
<td>4300 County Road 8 Hereford, TX 79045</td>
<td>806-258-7800</td>
<td>806-258-7801</td>
</tr>
<tr>
<td>Green Plains Madison LLC</td>
<td>395 Bissell St Madison, IL 63060</td>
<td>618-451-4420</td>
<td>618-452-8946</td>
</tr>
<tr>
<td>Green Plains Mt Vernon LLC</td>
<td>8999 W Franklin Rd Mt Vernon, IN 47620</td>
<td>812-985-7480</td>
<td>812-985-7483</td>
</tr>
<tr>
<td>Green Plains Obion LLC</td>
<td>2098 McDonald Rd., Rives, TN 38253</td>
<td>308-496-4800</td>
<td>308-496-4890</td>
</tr>
<tr>
<td>Green Plains Ord LLC</td>
<td>48267 Val-E Road, Ord, NE 68862</td>
<td>308-496-4800</td>
<td>308-496-4890</td>
</tr>
<tr>
<td>Green Plains Otter Tail LLC</td>
<td>24096 170th Ave., Fergus Falls, MN 56537</td>
<td>218-998-4300</td>
<td>218-998-4302</td>
</tr>
<tr>
<td>Green Plains Shenandoah LLC</td>
<td>4124 Airport Rd., Shenandoah, IA 51601</td>
<td>712-246-2932</td>
<td>712-246-3988</td>
</tr>
<tr>
<td>Green Plains Superior LLC</td>
<td>1495 S 200th Ave, Superior, IA 51363</td>
<td>712-858-4666</td>
<td>712-858-4684</td>
</tr>
<tr>
<td>Green Plains Wood River LLC</td>
<td>7874 South 140th Road, Wood River, NE 68883</td>
<td>308-385-1200</td>
<td>308-385-9990</td>
</tr>
<tr>
<td>Green Plains York LLC</td>
<td>1414 County Rd O York, NE 68487</td>
<td>402-362-0088</td>
<td>402-362-7041</td>
</tr>
<tr>
<td>Green Plains Grain Company LLC. Cimarron</td>
<td>19016 Road I Kimset, KS 67859</td>
<td>620-624-2696</td>
<td>620-624-4411</td>
</tr>
<tr>
<td>Green Plains Grain Company LLC. Essex</td>
<td>411 North Street, Essex, IA 51638</td>
<td>712-379-3155</td>
<td>712-379-3175</td>
</tr>
<tr>
<td>Green Plains Grain Company LLC. Hopkins</td>
<td>200 N. Railroad Hopkins, MO 64461</td>
<td>860-778-3331</td>
<td>860-778-3676</td>
</tr>
<tr>
<td>Green Plains Grain Company LLC. Archer</td>
<td>2132 Archer Road Archer, NE 68816</td>
<td>308-795-2211</td>
<td></td>
</tr>
<tr>
<td>Green Plains Grain Company LLC.</td>
<td>19016 Road I Kimset, KS 67859</td>
<td>620-624-2696</td>
<td>620-624-4411</td>
</tr>
<tr>
<td>Green Plains Grain Company LLC. Essex</td>
<td>411 North Street, Essex, IA 51638</td>
<td>712-379-3155</td>
<td>712-379-3175</td>
</tr>
<tr>
<td>Green Plains Grain Company LLC. Hopkins</td>
<td>200 N. Railroad Hopkins, MO 64461</td>
<td>860-778-3331</td>
<td>860-778-3676</td>
</tr>
</tbody>
</table>

CHEMTREC PHONE (24HR Emergency Telephone): 1-800-424-9300 (Within U.S.A)
INTERNATIONAL CHEMTREC CALL: 1-703-527-3887
OTHER CALLS: 1-402-884-8700 (M-F, 8 AM-5 PM, Central time (U.S.A & Canada); within U.S.A)
FAX PHONE: 1-402-884-8776 (M-F, 8 AM-5 PM, Central time (U.S.A & Canada); within U.S.A)

SECTION 1: NOTE: None Available

SECTION 2: HAZARDS IDENTIFICATION

GHS LABELING AND CLASSIFICATION: This product meets the definition of the following hazard classes as defined by the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

GHS CLASSIFICATION ACCORDING TO ANNEX II:

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>ENVIRONMENTAL</th>
<th>PHYSICAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not classified</td>
<td>Not classified</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

SIGNAL WORD: NONE

SYMBOL: N/A

HAZARD STATEMENT: None

PRECAUTIONARY STATEMENTS:

PREVENTIVE: N/A
RESPONSE: N/A
STORAGE: N/A
DISPOSAL: N/A

Any Regional Considerations: WDGS is considered non-hazardous.

SECTION 2 NOTES: N/A.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME: N/A
COMMON NAME: Distillers grains
CHEMICAL FAMILY: N/A
CHEMICAL FORMULA: N/A
SYNONYMS: N/A

INGREDIENT: Distillers grains and soluble water

<table>
<thead>
<tr>
<th>NAME</th>
<th>CAS#</th>
<th>EC#</th>
<th>ICSC#</th>
<th>% WT</th>
<th>% VOL</th>
</tr>
</thead>
<tbody>
<tr>
<td>water</td>
<td>7732-18-5</td>
<td>231-791-2</td>
<td>N/A</td>
<td>About 30%</td>
<td>N/A</td>
</tr>
<tr>
<td>Distillers grains</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>About 70%</td>
<td>N/A</td>
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</table>

CARCINOGENICITY
OSHA: NO
ACGIH: NO
NTP: NO
IARC: NO

IMPURITIES/STABILIZING ADDITIVES IDENTIFICATION: N/A

IMPURITIES/STABILIZING ADDITIVES CLASSIFICATION (if applicable): N/A

SECTION 3 NOTES: None Available

SECTION 4: FIRST AID MEASURES

Contaminated individuals of chemical exposure must be taken for medical attention if any adverse effect occurs. Rescuers should be taken for medical attention, if necessary. Take copy of label and MSDS to health professional with contaminated individual.

EMERGENCY OVERVIEW: Wet distillers grains are an animal feed product. Health effects upon exposure or ingestion are expected to be minimal.

ROUTES OF ENTRY/FIRST AID: ingestion and eye contact

EYES 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 15 minutes. If irritation occurs seek medical attention

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

INGESTION: No acute hazard would be posed from ingestion of product. Do not induce vomiting.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N/A

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: Wet distillers grains are an animal feed product. Health effects upon exposure or ingestion are expected to be minimal.

SECTION 4 NOTES: None Available

SECTION 5: FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Use appropriate extinguishing media for surrounding fire

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE FIGHTERS: N/A

UNUSUAL FIRE AND EXPLOSION HAZARDS: N/A
(Define specific hazards arising from the chemical e.g., nature of any hazardous combustion products)

HAZARDOUS DECOMPOSITION PRODUCTS: N/A
**GHS SAFETY DATA SHEET**

**WET DISTILLERS GRAIN**

**SDS DATE:** 07/29/2020

**FLAMMABLE LIMITS IN AIR (%) by volume:** N/A

**UPPER LIMIT:**

**LOWER LIMIT:**

**FLASH POINT:** N/A

**F:**

**C:**

**METHOD USED:** N/A

**AUTOIGNITION TEMPERATURE:** N/A

**F:**

**C:**

**NFPA HAZARD CLASSIFICATION:**

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>FLAMMABILITY</th>
<th>REACTIVITY</th>
<th>OTHER</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>0</td>
<td>N/A</td>
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</tbody>
</table>

**HMIS HAZARD CLASSIFICATION (0-4 scale):**

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>FLAMMABILITY</th>
<th>PHYSICAL HAZARD</th>
<th>PERSONAL PROTECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>0</td>
<td>B</td>
</tr>
</tbody>
</table>

**Safety glasses, gloves**

**SECTION 5 NOTES:** None Available

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:** N/A

**ENVIRONMENTAL PRECAUTIONS:** Keep the product away from sewer, and natural water bodies

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:** For land spill: eliminate ignition sources; isolate hazard area; remove spilled material so as to avoid creating airborne dust. For water spill: material is a natural material; small spills will dilute naturally with the water and will biodegrade.

**SECTION 6 NOTES:** None Available

**SECTION 7: HANDLING AND STORAGE**

**PRECAUTION FOR SAFE HANDLING:** Use appropriate personal protective equipment. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands after handling.

**CONDITIONS FOR SAFE STORAGE (any incompatibilities):** Store in accordance with local and state regulations. Keep away from heat, flame or sparks. Use appropriate containments to avoid environmental contamination.

**SECTION 7 NOTES:** None Available

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**EXPOSURE LIMITS/GUIDELINES:**

<table>
<thead>
<tr>
<th>INGREDIENTS</th>
<th>ACGIH TLV</th>
<th>NIOSH TLV</th>
<th>OSHA-FINAL PELs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wet Distillers Grain</td>
<td>4 mg/m³</td>
<td>4 mg/m³</td>
<td>10 mg/m³</td>
</tr>
</tbody>
</table>
ENGINEERING CONTROLS: N/A

VENTILATION: N/A

PERSONAL PROTECTIVE EQUIPMENT (PPE):

EYE PROTECTION: Wear eye protection suitable to the hazard

SKIN PROTECTION: Wear hand protection suitable to the hazard

RESPIRATORY PROTECTION: Not required in normal.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: N/A

SECTION 8 NOTES: None Available

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Brown moist Granular solid

PHYSICAL STATE: solid

COLOR: Brown

ODOR: Cooked corn odor

pH AS SUPPLIED: 3 to 4
pH (Other): N/A

FREEZING POINT: N/A
F: 
C:

BOILING POINT: N/A
F: 
C:

MELTING POINT: N/A
F: 
C:

FLASH POINT: N/A
F: 
C:

EVAPORATION RATE (BASIS=1): N/A

FLAMMABILITY (by % volume): N/A
UPPER FLAMMABILITY LIMIT:
LOWER FLAMMABILITY LIMIT:

VAPOR PRESSURE (mmHg): N/A
@ F: 
C:

VAPOR DENSITY (AIR = 1): N/A
@ F: 
C:

SOLUBILITY IN WATER: N/A

PARTITION COEFFICIENT n-octanol/water: N/A

AUTO-IGNITION TEMPERATURE: N/A
F:
SECTION 9: NOTES

DECOMPOSITION TEMPERATURE: N/A

SPECIFIC GRAVITY (H2O = 1): N/A

PERCENT SOLIDS BY WEIGHT: N/A

PERCENT VOLATILE: N/A

VOLATILE ORGANIC COMPOUNDS (VOC): N/A

MOLECULAR WEIGHT: N/A

VISCOSITY: N/A

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: The product is stable in normal conditions.

STABILITY: This product is stable. The product will lose moisture if not stored in a sealed container. It is susceptible to microbial growth with prolonged storage.

CONDITIONS TO AVOID (STABILITY): N/A

POSSIBILITY OF HAZARDOUS REACTIONS: N/A

INCOMPATIBILITY MATERIAL: N/A

HAZARDOUS DECOMPOSITION PRODUCTS:
Burning can produce carbon monoxide and/or carbon dioxide

SECTION 10 NOTES: None Available

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: The toxicity data of this product has not been determined by testing or research, but to our best knowledge, this product is non-toxic.

ROUTES OF EXPOSURE: ingestion and eye contact

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS:

CONTACT WITH EYES: Dust may cause eye irritation

CONTACT WITH SKIN: Fibers may mildly irritate skin

INHALATION: Dust from this product is categorized as a nuisance particulate

INGESTION: No acute hazard would be posed from ingestion of this product

DELAYED AND IMMEDIATE EFFECTS AND ALSO CHRONIC EFFECTS FROM SHORT- AND LONG-TERM EXPOSURE: Prolonged or repeated exposure to dust can result in asthma, bronchitis, chronic obstructive pulmonary disease, conjunctivitis, dermatitis, rhinitis and/or grain fever
NUMERICAL MEASURES OF TOXICITY:
LD50/LC50: No data available
IRRITATION DATA: No data available
CARCINOGENICITY: No data available
EPIDEMIOLOGY: No data available
TERATOGENICITY: No data available
REPRODUCTIVE EFFECTS: No data available
NEUROTOXICITY: No data available
MUTAGENICITY: No data available
OTHER: No data available

SECTION 11 NOTES: None Available

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY (AQUATIC AND TERRESTRIAL, WHERE AVAILABLE): No data available
PERSISTENCE AND DEGRADABILITY: Expect to be biodegradable
BIOACCUMULATIVE POTENTIAL: N/A
MOBILITY IN SOIL: N/A
OTHER ADVERSE EFFECTS: N/A

SECTION 12 NOTES: Due to the high content of organics in the product, it is expected to consume massive amount of oxygen once it gets into natural water body. It would result in death of aquatic life.

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Waste disposal should be in accordance with local, state, and federal regulations.
RCRA HAZARD CLASS: N/A
DESCRIPTION OF WASTE RESIDUES AND INFORMATION ON THEIR SAFE HANDLING AND METHODS OF DISPOSAL, INCLUDING ANY CONTAMINATED PACKAGING: N/A

SECTION 13 NOTES: None Available

SECTION 14: TRANSPORT INFORMATION

U.N. GHS TRANSPORT REQUIREMENT
UN NUMBER: N/A
PROPER SHIPPING NAME: N/A
TRANSPORT HAZARD CLASS: N/A
PACKING GROUP: N/A
LABEL STATEMENT: N/A
MARINE POLLUTANT: N/A

SPECIAL PRECAUTIONS FOR USER: N/A

SECTION 14 NOTES: WDGS is a cargo that may exhibit minor self-heating when transported in bulk by vessel but evidence suggests that the probability of a fire with this cargo is very low.

SECTION 15: REGULATORY INFORMATION
SECTIONS 15 NOTES: None Available

SECTION 16: OTHER INFORMATION

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.

REFERENCES:
- GHS Annex II
- GHS SDS Instruction

ACRONYMS/ABBREVIATIONS:
- ACGIH-American Conference of Governmental Industrial Hygienists
- CAA-Clean Air Act
- CAS-Chemical Abstracts Service
- CERCLA-Comprehensive Response Compensation and Liability Act
- CHEMTREC-It serves as a round-the-clock resource for obtaining immediate response information for incidents involving hazardous material and dangerous goods.
- CWA-Clean Water Act
- EC-European Commission
- GHS-Globally Harmonized System of Classification and Labeling of Chemicals
- IARC-International Agency for the Research on Cancer
- ICSC-International Chemical Safety Cards
- LC50-The concentration of a chemical in air or of a chemical in water which causes the death of 50% of a group of test animals.
- LD50-The amount of a chemical, given all at once, which causes the death of 50% of a group of test animals.
- NIOSH-The National Institute for Occupational Safety and Health
- NTP-National Toxicology Program
- OSHA-Occupational Safety and Health Administration
- RCRA-Resource Conservation and Recovery Act
- RQ-Reportable Quantity
- SARA-Superfund Amendments and Reauthorization Act
- STOST-SE-Specific Target Organ Toxicity Single Exposure
- TPQ-Threshold Planning Quantity
- TSCA-Toxic Substance Control Act
- U.N.-United Nation
- UNCED-United Nations Conference on Environment and Development
- VOL-Volume
- WT-Weight