



GHS SAFETY DATA SHEET

WET DISTILLERS GRAIN

SDS DATE: 03/10/2021

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

NAME, ADDRESS & TELEPHONE NUMBER OF THE RESPONSIBLE PARTY:

Company
Green Plains Trade Group LLC
1811 Aksarben Drive, Omaha, NE 68106
Phone: 402-884-8700
Email: EHSS@gpreinc.com

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:

HEALTH	ENVIRONMENTAL	PHYSICAL
Not classified	Not classified	Not classified
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

NAME	CAS#	EC#	ICSC#	% WT	% VOL
water	7732-18-5	231-791-2	N/A	About 30%	N/A
Distillers grains	N/A	N/A	N/A	About 70%	N/A

CARCINOGENICITY

OSHA: NO **ACGIH:** NO **NTP:** NO **IARC:** NO
OTHER: N/A

IMPURITIES/STABILIZING ADDITIVES IDENTIFICATION: N/A

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

SECTION 3 NOTES: None Available



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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

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:

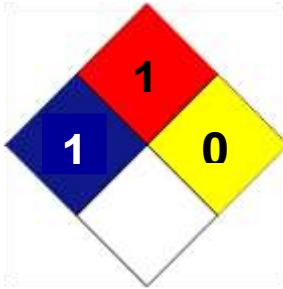


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NFPA HAZARD CLASSIFICATION:



HEALTH=1
FLAMMABILITY=1
REACTIVITY=0
OTHER=N/A

HMIS HAZARD CLASSIFICATION (0-4 scale):

Wet Distillers Grain	
HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B
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:

INGREDIENTS	ACGIH	NIOSH	OSHA-FINAL PELs
Wet Distillers Grain	4 mg/m ³ TLV	4 mg/m ³	10 mg/m ³

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



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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:

C:

DECOMPOSITION TEMPERATURE: N/A

F:

C:

SPECIFIC GRAVITY (H₂O = 1): N/A

@

F:

C:

PERCENT SOLIDS BY WEIGHT: N/A

PERCENT VOLATILE: N/A

BY WT/BY VOL @



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F:
C:

VOLATILE ORGANIC COMPOUNDS (VOC): N/A
WITH WATER: LBS/GAL
WITHOUT WATER: LBS/GAL

MOLECULAR WEIGHT: N/A

VISCOSITY: N/A
@
F:
C:

SECTION 9 NOTES: None Available

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



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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

U.S. FEDERAL REGULATIONS

TOXIC SUBSTANCE CONTROL ACT (TSCA): N/A

OCCUPATIONAL, SAFETY AND HEALTH ADMINISTRATION (OSHA): N/A

COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT (CERCLA): N/A

CLEAN WATER ACT (CWA): N/A

CLEAN AIR ACT (CAA): N/A

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) TITLE III INFORMATION:

SARA SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES: N/A

SARA SECTION 311/312 (40 CFR 370) HAZARD CATEGORIES: N/A

SARA 313 REPORTABLE INGREDIENTS: N/A

STATE REGULATIONS: N/A

INTERNATIONAL REGULATIONS: N/A

SECTION 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