



Safety Data Sheet

Material Name Prairie Gold® 60% Corn Gluten Meal 138930

Section 1 - IDENTIFICATION

Material Name: Prairie Gold® 60% Corn Gluten Meal 138930

Trade Names/Synonyms

Corn Gluten

Recommended Use

animal feed

Manufacturer Information

Ingredion Incorporated
5 Westbrook Corporate Center
Westchester, IL 60154 USA

Product Info/Customer Service: 708-551-2600

Fax: 708-551-2510

Business Hours: Mon - Fri, 7:30 a.m. - 5:00 p.m. (CST)

Ingredion Canada Incorporated
1600-90 Burnhamthorpe Road West
Mississauga, ON L5B 0H9 Canada

Product Info/Customer Service: (905) 281-7950

Fax: (905) 281-7951

Business Hours: Mon - Fri, 7:30 a.m. - 6:00 p.m. (EST)

24-Hour Emergency Telephone Number

1-800-424-9300 (CHEMTREC)

Section 2 - HAZARDS IDENTIFICATION

Classifications are accordance to the GHS classification requirements under 29 CFR 1910.1200

Combustible dust.

Signal Word

WARNING

Hazard Statement(s)

May form combustible dust concentrations in air

Precautionary Statement(s)

Prevention

None needed according to classification criteria.

Response

None needed according to classification criteria.

Storage

None needed according to classification criteria.

Disposal

Dispose in accordance with all applicable regulations.

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Component	Percent
66071-96-3	Corn Gluten	≤100

Component Related Regulatory Information

This product may be regulated, have exposure limits or other information identified as the following: Particulates not otherwise classified (PNOC).

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Section 4 - FIRST AID MEASURES

Description of Necessary Measures

Inhalation

If adverse effects occur, remove to uncontaminated area. Get medical attention, if needed.

Skin

Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention, if needed.

Eyes

Flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention, if needed.

Ingestion

If a large amount is swallowed, get medical attention. DO NOT induce vomiting.

Most Important Symptoms/Effects

Acute

No information on significant adverse effects.

Delayed

No information on significant adverse effects.

Section 5 - FIRE FIGHTING MEASURES

Suitable Extinguishing Media

regular dry chemical, carbon dioxide, water spray
Large fires: Use regular foam or flood with fine water spray.

Unsuitable Extinguishing Media

high-pressure water streams

Specific Hazards Arising from the Chemical

Combustible dust. High concentrations of product dust from this product may burn explosively if ignited by static charges or other ignition sources. The conditions under which this may occur are not readily predictable. Avoid flames, sparks, and other sources of ignition. Ground any equipment used in handling. Combustion products: carbon monoxide, carbon dioxide, low molecular weight hydrocarbons, smoke, irritating combustion byproducts.

Fire Fighting Measures

Move container from fire area if it can be done without risk. Do not scatter spilled material with high-pressure water streams. Dike for later disposal. Use extinguishing agents appropriate for surrounding fire. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

Special Protective Equipment and Precautions for Firefighters

Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure.

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

See Section 8 for personal protection information.

Methods and Materials for Containment and Cleaning Up

Avoid generating dust. Avoid heat, flames, sparks and other sources of ignition. Eliminate all ignition sources if safe to do so. All equipment used when handling the product must be grounded. Sweep up or gather material and place in appropriate container for disposal. If sweeping of a contaminated area is necessary, use a dust suppressant agent. If respirable dusts are generated, respiratory protection may be needed. Avoid release to the environment.

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Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling

Keep away from heat, sparks and flame. Eliminate all sources of ignition. Avoid creation of dust. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Avoid significant deposits of material, especially on horizontal surfaces, which may become airborne and form combustible dust clouds and may contribute to secondary explosions. Avoid breathing dust. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

Conditions for Safe Storage, including any Incompatibilities

Store and handle in accordance with all current regulations and standards. Store in a cool, dry place. Store in a well-ventilated area. Keep container tightly closed. Protect from light. Keep separated from incompatible substances.

Incompatibilities oxidizing materials

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits

Corn Gluten (66071-96-3)

ACGIH: 10 mg/m³ TWA (inhalable particles, recommended); 3 mg/m³ TWA (respirable particles, recommended, related to Particulates not otherwise classified (PNOC))

OSHA (US): 15 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable fraction, related to Particulates not otherwise classified (PNOC))

Appropriate Engineering Controls

Ventilation equipment should be explosion-resistant if explosive concentrations of material are present. Provide local exhaust ventilation system. Ensure compliance with applicable exposure limits. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).

Individual Protection Measures, such as Personal Protective Equipment

Eyes/Face Protection

If eye contact is likely, wear chemical resistant safety goggles.

Skin Protection

Protective clothing is not required under normal conditions.

Glove Recommendations

Wear appropriate chemical resistant gloves if contact is likely.

Respiratory Protection

Respiratory protection is not required under normal conditions of use.
If respirable dusts are generated, respiratory protection may be needed.

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Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid	Appearance:	yellow, solid
Color:	yellow to brown	Physical Form:	solid
Odor:	faint cereal-like	Odor Threshold:	Not available
Taste:	Not available	pH:	Not available
Melting Point:	Not available	Boiling Point:	Not applicable
Flash Point:	Not applicable	Evaporation Rate:	Not applicable
LEL:	Not available	UEL:	Not available
Vapor Pressure:	Not available	Vapor Density (air = 1):	Not available
Bulk Density:	Not available	Density:	37-41 lbs/ft3
Specific Gravity (water = 1):	Not available	Water Solubility:	Not soluble
Log KOW:	Not available	Coeff. Water/Oil Dist:	Not available
Auto Ignition:	Not available	Viscosity:	Not applicable
Volatility:	Not available	Molecular Weight:	Not available
Molecular Formula:	Not available	Moisture:	13.0 (max)
Minimum Ignition Temperature:	Not available	Minimum Ignition Energy:	Not available

Solvent Solubility

No information is available.

Conductivity

Not available

Section 10 - STABILITY AND REACTIVITY

Reactivity

No reactivity hazard is expected.

Chemical Stability

Stable at normal temperatures and pressure.

Possibility of Hazardous Reactions

Will not polymerize.

Conditions to Avoid

Avoid generating dust. Avoid heat, flames, sparks and other sources of ignition. Avoid contact with incompatible materials.

Incompatible Materials

oxidizing materials

Decomposition Products

oxides of carbon, low molecular weight hydrocarbons, irritating gases, smoke

Section 11 - TOXICOLOGICAL INFORMATION

Acute and Chronic Toxicity

Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and no selected endpoints have been identified.

Information on Likely Routes of Exposure

Inhalation

Inhalation of dust may irritate upper respiratory tract.

Ingestion

Ingestion is not a likely route of exposure.

Skin Contact

No effects expected.

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Eye Contact

May cause mechanical irritation.

Immediate Effects

No information on significant adverse effects.

Delayed Effects

No information on significant adverse effects.

Carcinogenicity

Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, NTP, DFG or OSHA.

Other Hazards

No information is available.

Section 12 - ECOLOGICAL INFORMATION

Ecotoxicity

Avoid release to the environment.

Component Analysis - Aquatic Toxicity

No ecotoxicity data are available for this product's components.

Persistence and Degradability

This material is expected to biodegrade.

Bioaccumulative Potential

No data available.

Mobility

No data available.

Section 13 - DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose in accordance with all applicable regulations.

Component Waste Numbers

The U.S. EPA has not published waste numbers for this product's components.

Section 14 - TRANSPORT INFORMATION

US DOT Information

Not regulated as a hazardous material.

ICAO Information

Not regulated as a hazardous material.

Section 15 - REGULATORY INFORMATION

U.S Federal Regulations

FDA: Classified as Generally Regarded as Safe (GRAS)

Component Analysis

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 311/312 (40 CFR 370.21), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or applicable to OSHA process safety management requirements.

SARA 311/312 Hazardous Categories

Acute Health: No **Chronic Health:** No **Fire:** No **Pressure:** No **Reactive:** No

U.S. State Regulations

None of this product's components are listed on the state lists from CA, MA, MN, NJ or PA.

Not regulated under California Proposition 65

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Canada Regulations

This product has been classified in accordance with the criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

WHMIS CLASSIFICATION: Not a Controlled Product under Canada's Workplace Hazardous Material Information System.

CFDA: Product is regulated as standard foodstuff.

Canadian WHMIS Ingredient Disclosure List (IDL)

Components of this material have been checked against the Canadian WHMIS Ingredients Disclosure List. The List is composed of chemicals which must be identified on MSDSs if they are included in products which fall under WHMIS criteria specified in the Controlled Products Regulations and present above the threshold limits listed on the IDL. The components of this product are either not listed on the IDL or are present below the threshold limit listed on the IDL.

Inventory List

Component Analysis - Inventory

Component	CAS	US	CA	EU	AU	PH	JP	KR	CN	NZ
Corn Gluten	66071-96-3	Yes	DSL	EIN	Yes	Yes	No	No	No	Yes

Additional Regulatory Information

EC No. 266-116-0

Section 16 - OTHER INFORMATION

Summary of Changes

None

Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CPR - Controlled Products Regulations; DOT - Department of Transportation; DSL - Domestic Substances List; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IMDG - International Maritime Dangerous Goods; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; OSHA - Occupational Safety and Health Administration; RCRA - Resource Conservation and Recovery Act; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States

Other Information

The attached data has been compiled from sources which Ingredient Incorporated and the Ingredient group of companies, believe to be dependable and, to our knowledge and belief is accurate. However, Ingredient Incorporated and the Ingredient group of companies cannot make any warranty or representation respecting the accuracy or completeness of the data. We assume no responsibility for any liability or damages relating thereto, or for advising you regarding the protection of your employees, customers, or others. You should make your own tests to determine the applicability of such information to, or the suitability of any products for your specific use. Ingredient Incorporated and the Ingredient group of companies expressly disclaims all warranties, expressed or implied, including but not limited to, warranties of merchantability, accuracy, fitness for use or for a particular purpose, and noninfringement. The United Nations Convention on Contracts for the International Sale of Goods shall not apply to sales of products by Ingredient Incorporated and the Ingredient group of companies. The INGREDION mark and logo are trademarks of the Ingredient group of companies.

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