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**Environmental Factor Inc**  
**Material Safety Data SHEET**

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**Section 1 – Product and Company Information**

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**Product Name:** Liquid Gluten  
**Product Number:**  
**Brand:** Liquid-Gold  
  
**Company:** Environmental Factor Inc.  
**Address:** 8-85 Chambers Drive  
Ajax, Ontario L1Z 1E2  
**Technical Phone:** 905-686-9909  
**Fax:** 905-696-0357  
**Emergency Phone:** 905-686-9909 1-888-820-9992

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**Section 2 – Composition/Information on Ingredient**

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**Substance Name**  
Hydrolyzed CORN GLUTEN

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**Section 3 – Hazards Identification**

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**HMIS RATING**

**HEALTH:** 0

**FLAMMABILITY:** 0

**REACTIVITY:** 0

**NFPA RATING**

**HEALTH:** 0

**FLAMMABILITY:** 0

**REACTIVITY:** 0

**For additional information on toxicity, please refer to Section 11.**

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**Section 4 – First Aid Measures**

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**ORAL EXPOSURE**

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

**INHALATION EXPOSURE**

If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

**DERMAL EXPOSURE**

In case of contact, immediately wash skin with soap and copious amounts of water.

## **EYE EXPOSURE**

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

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## **Section 5 – Fire Fighting Measures**

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### **FLASH POINT**

N/A

### **AUTOIGNITION TEMP**

N/A

### **FLAMMABILITY**

N/A

### **EXTINGUISHING MEDIA**

Suitable: Water spray, Carbon dioxide, dry chemical powder, or appropriate foam.

### **FIREFIGHTING**

Protecting Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard (s): Emits toxic fumes under fire conditions.

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## **Section 6 – Accidental Release Measures**

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### **PROEDURE (S) of PERSONAL PRECAUTION (S)**

Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

### **METHODS FOR CLEANING UP**

Wash spill site after material  
Pickup is complete.

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## **Section 7 – Handling and Storage**

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### **HANDLING**

**User Exposure:** Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

### **STORAGE**

**Suitable:** Keep tightly closed.

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## **Section 8 – Exposure**

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### **ENGINEERING CONTROLS**

Safety shower and eye bath Mechanical exhaust required.

### **PERSONAL PROTECTIVE EQUIPMENT**

Respiratory: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).  
Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Hand: Protective gloves. Eye: Chemical safety goggles.

## GENERAL HYGIENE MEASURES

Wash thoroughly after handling.

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### Section 9 – Physical/Chemical Properties

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Appearance	Physical State: LIQUID	
Property	Color: Tan / BROWN	at Temperature or Pressure
	Value	
Molecular Weight	N/A	
PH	N/A	
BP/BP Range	N/A	
MP/MP Range	N/A	
Freezing Point	N/A	
Vapor Pressure	N/A	
Vapor Density	N/A	
Saturated Vapor Conc.	N/A	
SG/Density	N/A	
Bulk Density	N/A	
Odor Threshold	N/A	
Volatile %	N/A	
VOC Content	N/A	
Water Content	N/A	
Solvent Content	N/A	
Evaporation Rate	N/A	
Viscosity	N/A	
Surface Tension	N/A	
Partition Coefficient	N/A	
Decomposition Temp.	N/A	
Flash Point	N/A	
Explosion Limits	N/A	
Flammability	N/A	
Autoignition Temp	N/A	
Refractive Index	N/A	
Optical Rotation	N/A	
Miscellaneous Data	N/A	
Solubility	100 %	

N/A = not available

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### Section 10 – Stability

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#### STABILITY

**Stable:** Stable.

**Materials to Avoid:** Strong oxidizing agents.

#### HAZARDOUS DECOMPOSITION PRODUCTS

**Hazardous Decomposition Products:** BIODEGRADABLE

#### HAZARDOUS POLYMERIZATION

**Hazardous Polymerization:** Will not occur

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**Section 11 – Toxicological**

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**ROUTE OF EXPOSURE**

**Skin contact:** May cause skin irritation.

**Skin absorption:** May be harmful if absorbed through the skin.

**Eye Contact:** May cause eye irritation.

**Inhalation:** Material may be irritation to mucous membranes and upper respiratory tract.

**Ingestion:** May cause skin irritation.

**SIGNS AND SYMPTOMS OF EXPOSURE**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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**Section 12 – Ecological Information**

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No data available.

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**Section 13 – Disposal Considerations**

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**APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION**

Contact a licensed professional waste disposal service to dispose of this material.

Dissolve or mix the material with a comb solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

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**Section 14 – Transport Information**

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**DOT**

**Proper Shipping Name:** None

**Non-Hazardous for Transport:** This substance is considered to be non-hazardous for transport.

**IATA**

**Non-Hazardous for Air Transport:** Non-hazardous for air transport.

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**Section 15 – Regulatory Information**

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**UNITED STATES REGULATORY INFORMATION**

**SARA LISTED:** No

**CANADA REGULATORY INFORMATION**

**WHMIS Classification:** This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

**DSL:** No

**NDSL:** No

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## **Section 16 – Other Information**

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### **WARRANTY**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Environmental Factor shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. Copyright 2008 ENVIRONMENTAL FACTRO INC. License granted to make unlimited paper copies for internal use only.