

# Pearl Valley Organix

Safety Data Sheet

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Revision Date: 10/25/2014 Date of issue: 10/25/2014

## SECTION 1: IDENTIFICATION

### 1.1. Product Identifier

**Product Form:** Granule

**Product Name:** Corn Gluten

### 1.2. Intended Use of the Product

**Use of the substance/mixture:** Fertilizer

### 1.3. Details of the Supplier of the Safety Data Sheet

Pearl Valley Organix.

968 S. Kent Road

Pearl City, Illinois 61062

TEL: 815-242-7650

### 1.4. Emergency Telephone Number

Emergency Number: CHEMTREC 1-800-424-9300

## SECTION 2: HAZARDS IDENTIFICATION

Hazard Pictograms (GHS--US):



Signal Word (GHS-US)

: Warning

Hazard Statements (GHS-US)

: H320 - Causes eye irritation  
H332- May be harmful if inhaled

Precautionary Statements (GHS-US)

: P261 - Avoid breathing dust/fume/gas/mist/vapors/spray  
P264 - Wash hands thoroughly after handling with plenty of soap and water  
P271-Use only outdoors or in a well-ventilated area  
P308-I exposed or concerned seek medical device or attention  
P312- Call a poison center or doctor/physician if you feel unwell  
P337- If eye irritation persists: seek medical advice or attention  
P351- If skin irritation occurs, rinse cautiously with water for several minutes  
P501- Dispose of container in accordance with federal, state and local regulations

### 2.3. Other Hazards

**Other Hazards:** No additional information available

### 2.4. Unknown Acute Toxicity (GHS-US)

No data available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substance

Not applicable

### 3.2. Mixture (Exact percentages of ingredients are being withheld as a trade secret)

Name	Product identifier	%	Classification (GHS---US)
Corn Gluten Granules		100	

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of First Aid Measures:

**First-aid Measures after Skin Contact:** Wash skin thoroughly with mild soap and water. Obtain medical attention if irritation develops or persists. Wash contaminated clothing before reuse.

**First-aid Measures after Eye Contact:** Immediately rinse with water for a prolonged period (at least 15 minutes) while holding the eyelids wide open. Obtain medical attention if irritation develops or persists.

**First-aid Measures after Ingestion:** If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

### 4.2. Most important symptoms and effects, both acute and delayed

**Symptoms/Injuries after Inhalation:** Overexposure may be irritating to the respiratory system.

**Symptoms/Injuries After Skin Contact:** May cause skin irritation.

**Symptoms/Injuries after Eye Contact:** May cause eye irritation.

**Symptoms/Injuries after Ingestion:** If a large quantity has been ingested: Abdominal pain, diarrhea, nausea, and/or vomiting.

### 4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If medical advice is needed, have product container or label at hand.

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1. Extinguishing Media

**Suitable Extinguishing Media:** Not considered flammable but will burn at high temperatures. Use extinguishing media appropriate for surrounding fire.

**Unsuitable Extinguishing Media:** None known.

### 5.2. Special Hazards Arising From the Substance or Mixture

**Fire Hazard:** Thermal Decomposition can lead to release of irritating and toxic gases and vapors. In event of a fire do not breathe fumes

**Explosion Hazard:** Product itself is not explosive but if dust is generated, dust clouds suspended in air can be explosive.

**Reactivity:** This product as shipped in the form of coarse granules should not contain sufficient dust to present an explosion hazard. Prevent dust accumulation (to minimize explosion hazard).

### 5.3. Advice for Firefighters

**Firefighting Instructions:** Not flammable.

**Protection during Firefighting:** Wear full fire-fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

**Other information:** None.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Handle in accordance with good industrial hygiene and safety practice. This material becomes slippery when wet.

#### 6.1.1. For Non-emergency Personnel

**Protective Equipment:** Wear suitable protective clothing, gloves and eye/face protection.

**Emergency Procedures:** Collect as any solid. Ventilate area. Evacuate unnecessary personnel.

### 6.1.2. For Emergency Responders

**Protective Equipment:** Wear suitable protective clothing, gloves and eye/face protection.

**Emergency Procedures:** If possible, stop flow of product. Contain and collect as any solid. Ventilate area. Evacuate unnecessary personnel.

### 6.2. Environmental Precautions

Avoid release to the environment.

### 6.3. Methods and Material for Containment and Cleaning Up

**For Containment:** Contain and collect as any solid. Do not allow into drains or water courses or dispose of where ground or surface waters may be affected.

**Methods for Cleaning Up:** Recover the product by vacuuming, shoveling or sweeping. Avoid generation of dust during clean-up of spills. If spilled directly onto the ground, remove sufficient soil to ensure material is fully recovered. Material may be used if uncontaminated.

**6.4. Reference to Other Sections:** No additional information available.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for Safe Handling

**Additional Hazards When Processed:** This material becomes slippery when wet.

**Precautions for Safe Handling:** Handle in accordance with good industrial hygiene and safety procedures. Wear recommended personal protective equipment. Avoid creating or spreading dust.

**Hygiene Measures:** Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

### 7.2. Conditions for Safe Storage, Including Any Incompatibilities

**Storage Conditions:** Store tightly closed in a dry, cool and well-ventilated place. Protect from moisture.

**Prohibitions on mixed storage:** Avoid strong acids or alkali or other reactive substances

**Special Rules on Packaging:**

### 7.3. Specific End Use(s)

Fertilizer

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control Parameters

Nuisance Dusts		
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
USA IDLH	US IDLH (mg/m <sup>3</sup> )	None
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	15 mg/m <sup>3</sup>

### 8.2. Exposure Controls

**Appropriate Engineering Controls:** Ensure all national/local regulations are observed.

**Personal Protective Equipment:** Gloves. Protective clothing. Insufficient ventilation: wear respiratory protection. For particulates and dust: Safety glasses.



**Hand Protection:** Protective Gloves.

**Eye Protection:** Safety glasses.

**Skin and Body Protection:** Wear suitable protective clothing.

**Respiratory Protection:** If exposure limits are exceeded or irritation is experienced, NIOSH approved Respiratory protection should be worn.

**Environmental Exposure Controls:** Ensure adequate ventilation, especially in confined areas.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on Basic Physical and Chemical Properties

<b>Physical State:</b>	Solid.
<b>Appearance:</b>	Granules.
<b>Color:</b>	Yellow
<b>Odor:</b>	Cereal
<b>Odor Threshold:</b>	N/A
<b>PH:</b>	N/A
<b>PH solution:</b>	N/A
<b>Relative Evaporation Rate (butyl acetate=1):</b>	N/A
<b>Melting Point:</b>	N/A
<b>Freezing Point:</b>	N/A
<b>Boiling Point:</b>	N/A
<b>Flash Point:</b>	N/A
<b>Auto-ignition Temperature:</b>	No data available
<b>Decomposition Temperature:</b>	No data available
<b>Flammability (solid, gas):</b>	No data available
<b>Vapor Pressure:</b>	N/A
<b>Relative Vapor Density at 20° C:</b>	No data available
<b>Relative Density:</b>	No data available
<b>Density:</b>	45 (45-65) lb. /ft <sup>3</sup>
<b>Solubility: Water:</b>	Slightly soluble
<b>Partition coefficient: n-octanol/water:</b>	No data available
<b>Viscosity:</b>	N/A

9.2. Other Information No additional information available

## SECTION 10: STABILITY AND REACTIVITY

**10.1. Reactivity:** This product as shipped in the form of coarse granules should not contain sufficient dust to present an explosion hazard. Prevent dust accumulation (to minimize explosion hazard).

**10.2. Chemical Stability:** Stable at standard temperature and pressure.

**10.3. Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.

**10.4. Conditions to Avoid:** Protect from moisture. Keep away from heat.

**10.5. Incompatible Materials:** Avoid contact with: Strong oxidizers. Strong acids, bases

**10.6. Hazardous Decomposition Products:** Under conditions of fire this material may produce: Nitrogen oxides, Ammonia, Biuret, Carbon oxides (CO, CO<sub>2</sub>).

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on Toxicological Effects

**Acute Toxicity:** Not classified

**Ingestion:** Harmful if swallowed.

**Skin Corrosion/Irritation:** Causes skin irritation.

**Serious Eye Damage/Irritation:** Causes eye irritation.

**Skin Sensitization:** Causes skin irritation.

**Respiratory:** May cause respiratory irritation.

**Germ Cell Mutagenicity:** Not classified

**Carcinogenicity:** Not classified

**Reproductive Toxicity:** Not classified

**Specific Target Organ Toxicity (Single Exposure):** May cause respiratory irritation.

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified

**Aspiration Hazard:** Not classified

**Symptoms/Injuries after Inhalation:** Overexposure may be irritating to the respiratory system.

**Symptoms/Injuries After Skin Contact:** May cause skin irritation.

**Symptoms/Injuries after Eye Contact:** May cause eye irritation.

**Symptoms/Injuries after Ingestion:** If a large quantity has been ingested: Abdominal pain, diarrhea, nausea and/or vomiting.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity:

Fertilizers may be harmful to aquatic life with short term effects, causing algal bloom. This product has a low fertilizer nutrient content, which lessens this effect.

### 12.2. Persistence and Degradability

Persistence and Degradability	
Persistence and Degradability	Large biodegradable

### 12.3. Bio accumulative Potential

Corn Gluten Granules
(no bioaccumulation expected)

**12.4. Mobility in Soil:** No additional information available.

**12.5. Other Adverse Effects:** No additional information available.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste Treatment Methods

Dispose of waste material in accordance with all local, regional, national, and international regulations. No EPA waste number is applicable.

## SECTION 14: TRANSPORT INFORMATION

**14.1. In Accordance with DOT:** Not regulated for transport

**14.2. In Accordance with IMDG:** Not regulated for transport

**14.3. In Accordance with IATA:** Not regulated for transport

## SECTION 15: REGULATORY INFORMATION

### 15.1. US Federal Regulations:

This product is not federally registered as a hazardous material

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act.

### 15.2. US State Regulations:

This product is not regulated by any state as a hazardous material.

## SECTION 16: OTHER INFORMATION

**Other Information:** This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200. It is correct to the best of our knowledge, information and belief at the date of publication. The information is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release, and is not to be considered a warranty or product specification.