



# Material Safety Data Sheet

## Section 1 – Material Identification

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**Product Name:**

FOLIAR

**Product Use:**

Agricultural Fertilizer

**Manufacturer:**

Perfect G Inc.

2236 Park Pl. Suite B

Minden NV 89423

**Phone:**

(888) 287-3816

## Section 2 – Hazards Identification

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**Potential Acute Health Effects:**

Hazardous in case of eye contact (irritant). Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

**Potential Chronic Health Effects:**

CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to heart. Repeated or prolonged exposure to the substance can produce target organs damage.

## Section 3 – Information on Ingredients

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Composition

Name	CAS #	RAT ORAL LD50 mg/kg
Calcium Chloride	7440-70-2	1000
Magnesium Chloride	7786-30-3	2800
Polysorbate	9005-64-5	33000

Trade secret claim: Exact percentage composition is a trade secret. Some active ingredients included in low concentrations have been omitted to preserve intellectual property.

## Section 4 – First Aid Measures

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**Eye Contact:** Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.

**Skin Contact:** In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

**Serious Skin Contact:** Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Serious Inhalation:** Not available.

**Ingestion:** Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

**Serious Ingestion:** Not available.

## Section 5 – Fire and Explosion Data

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**Flammability of the Product:** Non-flammable.

**Auto-Ignition Temperature:** Not applicable.

**Flash Points:** Not applicable.

**Flammable Limits:** Not applicable.

**Products of Combustion:** Not available.

**Fire Hazards in Presence of Various Substances:** Not applicable.

**Explosion Hazards in Presence of Various Substances:** Not available.

**Risks of explosion of the product in presence of static discharge:** Not available.

**Fire Fighting Media and Instructions:** Not applicable.

**Special Remarks on Fire Hazards:** Not available.

**Special Remarks on Explosion Hazards:** Not available.

## Section 6 – Accidental Release Measures

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### **Small Spill:**

Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

### **Large Spill:**

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

## Section 7 – Handling and Storage

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**Precautions:** Do not ingest. Do not breath dust. Avoid contact with eyes. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, acids, bases.

**Storage:** Keep container tightly closed. Keep container in a cool, well-ventilated area. Hygroscopic.

## Section 8 – Exposure Controls/Personal Protection

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### **Engineering Controls:**

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

### **Personal Protection:**

Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

### **Personal Protection in Case of a Large Spill:**

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

**Exposure Limits:** Not available.

## Section 9 – Physical and Chemical Properties

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**Physical state and appearance:** Solid, powder.

**Odor:** Odorless.

**Color:** White.

**pH (1g/L in distilled water):** Not available.

**Boiling Point:** Not available

**Melting Point:** Not available

**Specific Gravity:** Not available

**Volatility:** Not available.

**Solubility:** Easily soluble in hot water. Soluble in cold water.

## Section 10 – Stability and Reactivity Data

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**Stability:** The product is stable.

**Instability Temperature:** Not available.

**Conditions of Instability:** Incompatible materials, dust generation

**Incompatibility with various substances:** Reactive with oxidizing agents, acids, bases.

**Corrosivity:** Non-corrosive in presence of glass.

**Special Remarks on Reactivity:** Hygroscopic, keep container tightly closed. Methyl Vinyl Ether, Zinc, Reacts violently with Boric acid and Calcium Oxide, Bromine Trifluoride, 2-Furanpercarboxylic acid, boron oxides, solutions attack some metals.

**Special Remarks on Corrosivity:** Not available.

**Polymerization:** Will not occur.

## Section 11 – Toxicological Information

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**Routes of Entry:** Inhalation. Ingestion.

**Toxicity to Animals:** Not available. See section 2 for toxicological information for individual ingredients.

**Chronic Effects on Humans:** May cause damage to the following organs: heart.

**Other Toxic Effects on Humans:** Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

**Special Remarks on Toxicity to Animals:** Not available.

**Special Remarks on Chronic Effects on Humans:** Not available.

**Special Remarks on other Toxic Effects on Humans:** Acute Potential Health Effects: Skin: Causes skin irritation. Eyes: Dust causes eye irritation. Inhalation: Excessive inhalation causes respiratory tract and mucous membrane irritation. Low hazard for usual industrial handling. Ingestion: Ingestion of large amounts may cause gastrointestinal tract disturbances with nausea and possibly constipation. May cause cardiac disturbances (slowing of heart rate, arrhythmia, tachycardia, heart fibrillation). May affect behavior (somnolence, convulsions).

**Chronic Potential Health Effects:** Ingestion: May affect the musculoskeletal system, blood, brain, heart, and metabolism.

## Section 12 – Stability and Reactivity Data

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**Ecotoxicity:** Not available.

**BOD5 and COD:** Not available.

**Products of Biodegradation:** Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

**Toxicity of the Products of Biodegradation:** The products of degradation are less toxic than the product itself.

**Special Remarks on the Products of Biodegradation:** Not available

## Section 13 – Disposal Considerations

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**Waste Disposal:** Waste must be disposed of in accordance with federal, state and local environmental control regulations.

## Section 14 – Transport Information

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**Hazard Class:** Not applicable.

**Identification:** : Not applicable.

**Special Provisions for Transport:** Not applicable.

## Section 15 – Regulatory Information

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**EPA regulations:** Not listed.

## **Section 16 – Other information**

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Information on this data sheet is for use of this product as intended by the manufacturer. Users should take all precautions necessary while working with this product. Although this information is provided in good faith, Perfect Grower makes no claims about the accuracy or comprehensiveness of the information provided.