

# SAFETY DATA SHEET

## INTENSITY

MSDS No. 1627

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product:** ITENISTY 0-0-0  
**Chemical Name:** INTENSITY - fertilizer nutrient solution  
**Chemical Formula:** NA  
**CAS Number:** NA  
**General Use:** Plant Nutrients  
**Manufactured For:** Growing Solutions, Inc.

**CHEMICAL EMERGENCIES CALL**  
**866-309-8600**

### 2. HAZARDS IDENTIFICATION SUMMARY

**Primary Entry Routes:** Inhalation (of mist), Ingestion, Eye Contact, Skin Contact (irritation)

**Acute Effects:**

**Inhalation:** May cause irritation of respiratory tract, coughing, or difficulty breathing.

**Eye:** Contact may cause irritation and should be treated promptly. This product contains ingredients that are corrosive to the eyes.

**Skin:** Contact may cause irritation.

**Ingestion:** Ingestion may cause irritation of the gastrointestinal tract cramps, vomiting, convulsions, or diarrhea.

**Medical Conditions Aggravated by Long-Term Exposure:** Existing skin and lung disorders may be aggravated by exposure.

**Chronic Effects:** Chronic ingestion may cause damage to heart, liver, and blood-forming tissues. Ingestion of large quantities may cause headache, mental impairment, dizziness, tachycardia, and may be fatal.

### 3. COMPOSITION INFORMATION ON INGREDIENTS

A proprietary blend Primary Plant Nutrients and Chelated Micronutrient(s) in an aqueous solution.

<u>Chemical Ingredients:</u>	<u>Percentage of Weight:</u>	<u>CAS No.</u>
Plant Nutrient & Chelated Micronutrients	100%	-

### 4. FIRST AID MEASURES

**If in eyes:** Immediately rinse with water for 15 minutes with eyewash, seek medical attention promptly.  
**If on skin:** Wash skin with soap and water. If irritation persists, seek medical attention.  
**If swallowed:** Drink milk or large amount of water if conscious. Get medical attention. If prompt medical attention is not available, call your local Poison Control Center.  
**If inhaled:** Remove from areas of mist exposure, if irritation persists, seek medical attention.

### 5. FIRE FIGHTING MEASURES

**FLASH POINT (°F/Test Method):** N/A  
**FLAMMABLE LIMITS (LFL & UFL):** N/A  
**EXTINGUISHING MEDIA:** Use extinguishing media appropriate for surrounding materials involved in fire.  
**HAZARDOUS COMBUSTION PRODUCTS:** Ammonia, nitrogen oxides, oxides of carbon, phosphorus oxides, potassium sulfate, sulfur, sulfur oxides, and metal oxides.  
**SPECIAL FIRE FIGHTING PROCEDURES:** Ammonia (16-25%) may form flammable mixtures with air. Sulfur dioxide is a respiratory hazard. Do not release contaminated runoff from fire control methods to sewers or waterways. Because fire may produce hazardous decomposition products, wear full protective gear and a self-contained breathing apparatus (SCBA) with a full face-piece operated in positive-pressure mode.

## 6. ACCIDENTAL RELEASE MEASURES

### STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Stop leak, contain spill and absorb with sand or natural absorbents. Sweep up waste and place in container for disposal. Wash down area. Uncontaminated spilled material may be reused. Do not release in to sewers or waterways. Follow applicable Federal, State, and Local regulation if material is not salvageable for use.

If spilled in large quantities into water this produce may contribute to eutrophication.

## 7. HANDLING AND STORAGE

**HANDLING:** Use in accordance with labeling instructions. Keep away from children, pets, domestic animals, and wildlife.

**STORAGE:** Store in the original labeled container, in cool place above 32F. Avoid storage in containers or piping systems constructed with components containing copper or zinc or their alloy, bronze, brass, aluminum, galvanized metals, lead, or mercury.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### ENGINEERING CONTROLS:

**VENTILATION:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs.

**RESPIRATORY PROTECTION:** Respiratory protection may be needed if airborne mist

**PERSONAL PROTECTIVE EQUIPMENT:** Chemical goggles or shielded safety glasses and rubber or neoprene gloves are not required, but its use is recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE AND ODOR:** Clear light green liquid, w/slight ammonia odor.

**SOLUBILITY:** Totally Soluble

**pH:** 8.5 – 9.0

**FREEZING POINT:** Store above 32F

**SPECIFIC GRAVITY (Water = 1):** 1.289 – 1.299

**BOILING POINT:** N/A

**VAPOR PRESSURE:** N/A

**EVAPORATION RATE:** Not established

**PERCENT VOLATILE (by volume):** N/A

Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

## 10. STABILITY AND REACTIVITY

**STABILITY:** Stable under normal storage and handling conditions.

**INCOMPATIBILITY:** Strong oxidizers, strong acids, strong alkali.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Not applicable

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** Evaporation to dryness.

## 11. TOXICOLOGICAL INFORMATION

**Acute Oral LD<sub>50</sub>(rat):** not established

**Acute Dermal LD<sub>50</sub>(rabbit):** not established

**Eye Irritation (rabbit):** not established

**Skin Irritation (rabbit):** not established

**Inhalation LC<sub>50</sub>(rat):** not established

**Skin Sensitization (guinea pig):** not established

## 12. ECOLOGICAL INFORMATION

## 13. DISPOSAL CONSIDERATIONS

**Waste disposal:** Follow applicable Federal, state, and local regulations.

**Container disposal:** Triple rinse and use rinseate in product tank. Dispose of container per applicable regulations.

## 14. TRANSPORT INFORMATION

**DOT Shipping Description:** Not regulated as a DOT Hazardous Material (4/98)

#### **15. REGULATORY INFORMATION**

**EPA Regulations:**

**SARA: 311/312:** This product exhibits acute and chronic effects per 1910.1200 and may require reporting under SARA 311/312.

**SARA, Title III, Section 313:** Not listed.

**SARA EHS:** Not listed.

**RCRA Waste Code:** Spill event involving this product should be carefully evaluated based on RCRA Regulation for Characteristic Wastes.

**OSHA Regulations:**

Air Contaminate (20 CFR 1910.1000, Table Z-1)

Aqueous Ammonia: PEL = 50 ppm

#### **16. OTHER**

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