

## AGRO-CULTURE LIQUID FERTILIZERS

### MATERIAL SAFETY DATA SHEET

#### A. GENERAL INFORMATION

**Trade name:** Nutritional Transplant

**Chemical Name:** 3% N-Nitrogen, 8% P<sub>2</sub>O<sub>5</sub>-Phosphate, 2% K<sub>2</sub>O-Potash or Potassium

**Address:** C.O.G. Marketers, Ltd.  
3055 W. M-21  
St. Johns, MI 48879

**Contact:** Production Manager

**Phone:** (989) 224-4117 or 1-800-678-9029  
After Business Hours - (989) 224-2562

**Revised Date:** May 27, 2008

#### B. FIRST AID

**Eye Contact:** Flush eyes immediately and thoroughly with water for at least 15 minutes. If irritation persists, get medical attention.

**Skin Contact:** Flush skin immediately and thoroughly with water. If irritation persists, get medical attention.

**Inhalation:** Generally not considered an inhalation hazard.

**Ingestion:** If conscious, immediately give large quantities of water and induce vomiting. Consult a physician.

#### C. HAZARDS INFORMATION - HEALTH

**Inhalation:** If misty condition prevails, may irritate.

**Ingestion:** Large doses of ammonium salts may give diarrhea or diuresis. Low oral toxicity.

**Skin:** Low skin irritation potential. (pH 6.3 to 6.5)

**Eyes:** Low eye irritation potential. (pH 6.3 to 6.5)

#### D. HAZARDS INFORMATION - FIRE & PROTECTION

**Unusual fire and explosion hazards:**

When heated, it may give off ammonia fumes. (This material is a fire retardant)

#### E. PRECAUTIONS-PROCEDURES

**Fire extinguishing agents recommended:**

All standard agents are acceptable.

**Special fire fighting precautions:**

Due to possible evolution of ammonia, wear self contained breathing apparatus approved by Niosh. Use water spray to keep containers cool.

**Ventilation:** Unless heated to evolve ammonia or misted by heat, agitation, or spraying, natural ventilation should be adequate.

**Normal Handling:** Avoid breathing mist, if any should be formed. Minimize contact of liquid with eye, skin, and clothing. Use good personal hygiene and housekeeping.

**Storage:** Avoid using containers, pipes and fittings made of aluminum, mild steel, zinc-clad or copper bearing alloys.

**Spill or Leak:** Contain spills and maximize recovery. Mop up or pump up promptly into metal or plastic drum. (Caution should be exercised in the area of spilled material since transplank can cause a slippery condition.)

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#### F. PERSONAL PROTECTIVE EQUIPMENT

**Respiratory Protection:** Respirators are not required under normal ventilated conditions.

**Eyes and Face:** Safety glasses are recommended.

**Hands, Arms, & Body:** Rubber coated gloves and clothing which minimize skin exposure are recommended if there is prolonged or repeated exposure of skin to liquid.

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#### G. PHYSICAL DATA

**Material is:** Liquid (at normal conditions.)

**Appearance & Odor:** Green odorless liquid.

**Specific Gravity:** 1.150

**pH:** 6.3 - 6.5

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#### H. ENVIRONMENTAL

**EPA Hazardous substance:** NO