

# MATERIAL SAFETY DATA SHEET

## *Nitro + K (22-0-16)*

### Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Company : Growth Products, Ltd.  
P.O. Box 1252  
White Plains, NY 10602  
Phone Number: 800-648-7626  
Chemical Name / Common Name: Liquid Fertilizer Solution

### Section 2 – HAZARDOUS INGREDIENTS

**HAZARDOUS INGREDIENTS:** None. This product does not require labeling.

### Section 3 – PHYSICAL DATA

Physical State:	Clear/Hazy Liquid	Evaporation Rate:	Same as Water
Color:	Clear	Boiling Point:	About 210 Degrees F
Odor:	Musty Odor	Freezing Point:	32 Degrees F
Weight Per Gallon:	12.0# @ 21 Degrees C	Viscosity:	35-40 cps @ 21 Degrees C
Storage Life at 70F:	> 1 year	Flash Point/Method:	Noncombustible
pH – 21C:	10-11	Vapor Pressure:	N/A
Solubility:	Completely Miscible		

### Section 4 – FIRE AND EXPLOSION HAZARD

Explosion Properties:	Noncombustible
Flammable Limit:	LEL: N/A UEL: N/A
Extinguishing Media:	Does Not Burn
Special Fire Fighting Procedures:	None
Unusual Fire and Explosion Hazards:	None

### Section 5 – HEALTH HAZARD INFORMATION

#### **EFFECTS OF OVEREXPOSURE ACUTE (SHORT TERM EXPOSURE):**

Liquid contact may cause slight eye irritation and repeated skin exposure may cause some skin irritation

#### **CHRONIC (LONG TERM EXPOSURE):**

None known

### Section 6 – EMERGENCY AND FIRST AID PROCEDURES

**INHALATION:** Not expected to be harmful under normal conditions of use, however if allowed to become airborne, may cause irritation of nose, throat and lungs

**EYE CONTACT:** May cause irritation on prolonged or repeated contact

**SKIN CONTACT:** May cause irritation on prolonged or repeated contact

### Section 7: TOXICITY INFORMATION

#### **ACUTE TOXICITY (LETHAL DOSES)**

**DERMAL LD<sub>50</sub>:** N/E

**ORAL LD<sub>50</sub>:** N/E

#### **ACUTE TOXICITY (IRRITATION, SENSITIZATION)**

**EFFECTS TO EYES:** No corneal or iridal effects were noted at a dose of 0.1 ml for rabbits

**EFFECTS TO INGESTION:** Non toxic or pathogenic  
**EFFECTS TO SKIN:** Moderate irritation, reversible within 7 days  
**CARCINOGENICITY DATE:** N/E

#### Section 8: REACTIVITY DATA

**STABILITY:** Stable  
**CONDITIONS TO AVOID:** N/A  
**HAZARDOUS DECOMPOSITION PRODUCTS OF DRY MATERIAL:** CO, CO<sub>2</sub>, NH<sub>3</sub>, Aldehydes (including Formaldehyde), particulate matter and other organic compound.  
**HAZARDOUS POLMERIZATION:** Will not occur

#### Section 9: SPECIAL PROTECTION INFORMATION

**PROTECTIVE GLOVES:** Gloves  
**EYE PROTECTION:** Use goggles if contact is likely.  
**OTHER PROTECTION:** N/A  
**RESPIRATORY PROTECTION OR REQUIRED VENTILATION:**  
Not normally needed. Where air contaminants can exceed acceptable criteria use NIOSH/MSHA approved respiratory protection equipment.

#### Section 10 – SPILL AND LEAK PROCEDURES

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**  
Prevent product from entering drinking water supplies. Collect liquid or solidify with absorbent material and package for disposal according to local, state, and federal regulations.  
**WASTE DISPOSAL PRECEDURES:**  
This product is likely to have a pH less than 8.5 and would not be considered a federal hazardous waste according to EPA regulation 40CFR 261. Dispose in accordance with state and local regulation.  
**REPORTABLE QUANTITY UNDER CERCLA:** N/A

#### Section 11 – STORAGE AND HANDLING INFORMATION

**STORAGE TEMPERATURE:**  
MAX 100° F MIN 32° F INDOOR  OUTDOOR  REFRIG.   
**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:**  
Not harmed by freezing. Thaw frozen fertilizer slowly and stir before using. Store in a cool place. Rotate stock in storage to use oldest first.

#### Section 12 – TRANSPORTATION INFORMATION

**DOT UN STATUS:** This material is not regulated hazardous material for transportation

**OTHER PRECAUTIONS:**  
Read entire label before using

This information is furnished without warranty, expressed or implied, except that is accurate to the best knowledge of Growth Products, Ltd. The data on this sheet relates only to the specific material designated herein. Growth Products, Ltd. assumes no legal responsibility for use or reliance upon this data.

**ABBREVIATIONS:** N/E – NOT ESTABLISHED N/A – NOT APPLICABLE